



January 24, 2011

Vanasse Hangen Brustlin, Inc.

Connecticut Department of Environmental Protection  
Waste Management Bureau: WEED-District 1  
79 Elm Street  
Hartford, CT 06106

Attention Mr. Dave Ringquist

RE: 2010 – Fourth Quarter Sampling Event  
Former Envirite RCRA Facility  
Old Waterbury Road  
Thomaston, Connecticut

Dear Mr. Ringquist:

This report documents the observations and analytical results of the fourth quarterly sampling event of 2010 at the former Envirite site located in Thomaston, Connecticut. Monitoring and sampling of select site groundwater monitoring wells was conducted on December 14 & 15, 2010. This sampling event was conducted as part of a post-closure monitoring program for the landfill. Figure 1 shows the location of the wells and inferred groundwater contours for the December 2010 sampling event. Depth to water measurements were collected from all monitored wells on December 14, 2010. Tables 1 through 4 present field data, laboratory analytical results, and comparisons with potentially applicable Connecticut Department of Environmental Protection (CTDEP) cleanup criteria (based on the Remediation Standard Regulations and Water Quality Standards).

#### **GROUNDWATER SAMPLING AND ANALYSIS**

Vanasse Hangen Brustlin, Inc. (VHB) personnel collected the samples and Phoenix Environmental Laboratories, Inc. (Phoenix), a Connecticut certified laboratory, analyzed the samples. Sampling and analytical procedures were performed according to Envirite's revised Post-Closure Plan, dated April 1987, as approved by the United States Environmental Protection Agency (USEPA) and CTDEP.

Samples from Resource Conservation and Recovery Act (RCRA) quarterly monitoring wells were analyzed in the field for specific conductivity, pH, and temperature. Phoenix analyzed the samples for volatile organic compounds (VOCs) and selected inorganic constituents. A complete parameter list for these samples is provided on the laboratory data sheets included in the Appendix. Samples were analyzed according to USEPA Method 8260 and by additional methods described in "Test Methods for Evaluating Solid Waste" USEPA SW-846, 1996 and "Standard Methods for Examination of Water and Wastewater", APHA-AWWA-WPCF, 1995. The sampling and analytical protocols used were consistent with Envirite's post-closure plan and subsequent revisions including the response to the EPA's review and comment of Envirite's groundwater assessment plan (May 18, 1992).

Quality control samples included a duplicate sample (from monitoring well MW-42S), a field blank, a trip blank (for VOCs only), and an equipment blank. Water samples were collected in appropriate, laboratory-supplied containers and preserved according to the approved Post-Closure Plan. The VHB field log is presented in the Appendix.

VHB collected surface water samples from Branch Brook at locations upstream and downstream of the Envirite site.

### **ANALYTICAL RESULTS**

Tables 1 and 2 summarize the results of analyses for the RCRA quarterly monitoring for wells located in GB and GA areas, respectively. The analytical data for the surface water samples and the quality control samples are presented in Tables 3 and 4, respectively. The tables summarize data for VOCs, dissolved metals, ammonia, chloride, cyanide (total), nitrate, nitrite, phenols, sulfate, total dissolved solids (TDS), total suspended solids (TSS), total organic carbon (TOC), and total organic halides (TOX). Field measured parameters of pH and specific conductance are also summarized in Tables 1 through 4.

The CTDEP Remediation Standard Regulations (RSRs)<sup>1</sup> are provided on the groundwater analytical summary tables for reference only. The 95% Upper Confidence Level (UCL) and average values will be calculated and compared to the Residential Volatilization Criteria (RVC), the Industrial/Commercial Volatilization Criteria (IVC), the Surface Water Protection Criteria (SWPC) and Ground Water Protection Criteria (GWPC) for the data collected in 2010. These comparisons will be presented in the 2010 Annual Report.

Surface water samples were compared to the Water Quality Standards (WQS) for Class A Surface Waters. Values exceeding the WQS (standards are noted on tables) are identified in bold type.

### **Volatile Organic Compounds**

The results of analyses for VOCs are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. VOCs were detected in eleven (11) of the fifteen (15) samples collected. These VOCs included 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, styrene, 2-hexanone, 4-methyl-2-pentanone, benzene, benzene, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene, methyl ethyl ketone (MEK), naphthalene, n-propylbenzene, sec-butylbenzene, tert-butylbenzene, tetrachloroethene (PCE), tetrahydrofuran, toluene, trichloroethene (TCE), vinyl chloride (VC), and xylenes. In line with historical results MW-31S had the highest reported concentrations of many of the VOCs detected.

During this sampling event, the following VOCs were reported with the highest concentrations in the sample collected from MW-31S; 1,2,4-trimethylbenzene (560 µg/l), 1,3,5-trimethylbenzene (180 µg/l), styrene (98 µg/l), 2-hexanone (1,000 µg/l), 4-methyl-2-pentanone (17,000 µg/l), benzene (190

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1 It should be noted that Envirite's legal counsel had advised that, according to the Regulations of Connecticut State Agencies Section 22a-133k-1(b), the RSRs do not apply to areas that are affected by discharges allowed under a ground water discharge permit issued pursuant to Section 22a-430. Envirite has held a ground water discharge permit since 1984 at the Thomaston facility. Thus while compliance with RSRs is one indicator of potential need for remediation to CTDEP, USEPA, and Envirite, these regulations are not strictly applicable to ground water constituent levels at the Thomaston facility.

$\mu\text{g/l}$ ), cis-1,2-dichloroethene (4,000  $\mu\text{g/l}$ ), ethylbenzene (4,000  $\mu\text{g/l}$ ), isopropylbenzene (190  $\mu\text{g/l}$ ), MEK (2,400  $\mu\text{g/l}$ ), naphthalene (140  $\mu\text{g/l}$ ), n-propylbenzene (84  $\mu\text{g/l}$ ), sec-butylbenzene (420  $\mu\text{g/l}$ ), tert-butylbenzene (76  $\mu\text{g/l}$ ), tetrahydrofuran (460  $\mu\text{g/l}$ ), toluene (14,000  $\mu\text{g/l}$ ), VC (1,100  $\mu\text{g/l}$ ), and xylenes (514,200  $\mu\text{g/l}$ ). The highest concentrations of PCE (97  $\mu\text{g/l}$ ) and TCE (150  $\mu\text{g/l}$ ) were detected in the sample collected from MW-30. The constituents detected in MW-31S are most likely attributable to the Pre-Envirite Waste Material (PEWM) located in close proximity to the well.

Statistical analysis will be performed for the four quarters of samples that have been collected in 2010, and the analysis will be compared to the RSRs in the 2010 Annual Report.

### **Metals**

The results of analyses for total metals are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. Metals were detected in all fifteen (15) samples collected. These metals included barium, cadmium, chromium, copper, iron, manganese, nickel, sodium, and zinc. Statistical analysis will be performed for the four (4) quarters of samples that have been collected in 2010, and the analysis will be compared to the RSRs in the 2010 Annual Report.

### **Field Measurements and Indicator Parameters**

The results of field measurements and indicator parameters are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. In general, the concentration and distribution of the field measurements and indicator constituents for the wells are consistent with historical analytical data from the site.

### **Surface Water Samples**

The surface water samples (upstream and downstream of the landfill) were collected from Branch Brook, which is classified as a Class B/A waterbody, and is required to meet Class A Water Quality Standards. As shown in Table 3, no targeted VOCs were detected in either sample.

### **QA/QC Results**

QA/QC samples consisted of a duplicate sample from monitoring well MW-42S, a Field Blank, an Equipment Blank (analyzed for parameters identical to the well samples), and a Trip Blank (analyzed for VOCs only). The analytical results obtained from the original and duplicate samples from monitoring well MW-42S correspond very well. No target analytes (VOCs) were detected in the Trip Blank (Table 4).

A Field Blank was created by transferring laboratory-supplied deionized water into sample containers. Low levels of dissolved iron (3.0  $\mu\text{g/l}$ ), dissolved zinc (4.0  $\mu\text{g/l}$ ), ammonia nitrogen (60  $\mu\text{g/l}$ ), and total organic halogens (16  $\mu\text{g/l}$ ) were reported in the Field Blank. The Field Blank was created while on-Site in the vicinity of monitoring well MW-33.

An Equipment Blank was created by passing laboratory-supplied deionized water through decontaminated and rinsed sampling tubing into sample containers. Low levels of dissolved iron (3.0  $\mu\text{g/l}$ ), dissolved zinc (4.0  $\mu\text{g/l}$ ), and ammonia nitrogen (110  $\mu\text{g/l}$ ) were reported in the Equipment Blank. The Equipment Blank was created while on-Site in the vicinity of monitoring well MW-33.

### **Statistical Data Analysis**

Statistical analysis will be performed for the four quarters of data collected in 2010. The results will be summarized in the 2010 Annual Report.

### GROUNDWATER FLOW DIRECTION

Groundwater monitoring measurements were made prior to purging the wells. Groundwater elevation data are summarized on Tables 1 and 2, and inferred groundwater contours are presented on Figure 1.

Xpert Design and Diagnostics, LLC (XDD) described a conceptual model of groundwater flow patterns at the Thomaston Site in a letter to Envirite dated September 29, 1999. The XDD model states that groundwater flow is influenced during winter and spring months by recharge from the Branch Brook, which borders the western side of the Site and the Naugatuck River, which runs parallel to the Eastern boundary. Recharge from Branch Brook causes a groundwater mound to form in the northeast corner of the Site. This results in an easterly flow of groundwater across the northern side of the Site. The XDD model further states that the easterly component of flow is mitigated by a similar groundwater mound caused by recharge from the Naugatuck River. As a result, groundwater flow changes from easterly to south-southeasterly as it approaches the Naugatuck River.

Based on interpretation of available data, the horizontal component of shallow groundwater flow is predominantly to the south with a hydraulic gradient of approximately 0.004 ft/ft. These observations are generally consistent with earlier data. In the past, downward vertical gradients between the shallow and deep overburden were consistently observed in the southwest corner of the site. Occasional downward gradients between the shallow and deep overburden in the central and southeastern portions of the site were observed in past sampling events. However an upward gradient was observed from MW-41D to MW-41S. The XDD Model suggests that vertical groundwater mixing between the deep and shallow overburden is probable. In most cases, this results in shallow groundwater mixing into deeper overburden groundwater within a period of thirty days or less.

If you have any questions or comments on the information presented in this report, please call the undersigned at your convenience.

Sincerely,  
Vanasse Hangen Brustlin, Inc.



Philip M. Rydel  
*Senior Environmental Scientist*

cc: Bob Brackett, USEPA, Boston, MA  
G. Stengel, Jr., Envirite Corporation  
C. Snyder, ENVIRON International Corporation

**TABLE 1. SUMMARY OF ANALYTICAL RESULTS, GB WELLS**  
 Thomaston, Connecticut  
 2010 Fourth Quarter

CTDEP CRITERIA (ug/L)					WELL Date Reference Elevation	MW-30	MW-31S	MW-33	MW-41S	MW-41D	MW-41B	MW-42S	MW-42S (dup)	MW-43S	MW-43D	MW-44D	MW-44	
RVC	2 x RVC	IVC	2 x IVC	SWPC		341.71	12/15/10	340.30	340.49	334.41	12/14/10	335.26	335.26	340.43	340.43	340.65	340.33	339.26
ug/L	ug/L	ug/L	ug/L	ug/L	Field Parameters													
					Depth to Water	15.52	13.70	15.83	10.67	9.64	13.66	16.51	16.51	15.77	15.90	14.58	16.68	
					Water Level Elevation (feet)	326.19	326.60	324.66	323.74	325.62	321.60	323.92	323.92	324.66	324.75	325.75	322.60	
					pH (standard units)	6.96	6.27	6.79	6.64	6.77	7.55	6.65	6.65	6.54	6.17	6.90	7.02	
					Specific Conductance (umhos/cm)	3,150	1,220	238	520	443	1,260	448	441.0	1,890	1,180	937	948	
Volatile Organic Compounds*																		
6,500	13,000	16,000	32,000	62,000	1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1.8	3.6	54	108	110	1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
220	440	2,900	5,800	1,260	1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
3,000	6,000	41,000	82,000	NE	1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
190	380	920	1,840	96	1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
5,100	10,200	50,000	100,000	170,000	1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
6.5	13	68	136	2,970	1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
7.4	15	58	116	NE	1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
					1,2,3-Trichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
4,300	8,600	50,000	100,000	26,000	1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,400	2,800	3,400	6,800	26,000	1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
360	720	4,800	9,600	NE	1,2,4-Trimethylbenzene	BDL	560	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
280	560	3,900	7,800	NE	1,3,5-Trimethylbenzene	BDL	180	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
3,100	6,200	42,000	84,000	NE	Styrene	BDL	98	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	2-Hexanone	BDL	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	2-Chloroethyl vinyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NE	NE	NE	NE	NE	4-Methyl-2-pentanone	BDL	17,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
50,000	100,000	50,000	100,000	NE	Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Acrolein	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NE	NE	NE	NE	20	Acrylonitrile	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
130	260	310	620	710	Benzene	BDL	190	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
2.3	5	73	146	NE	Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
75	150	2,300	4,600	10,800	Bromoform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Bromomethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
5.3	11	14	28	132	Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,800	3,600	23,000	46,000	420,000	Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
12,000	24,000	29,000	58,000	NE	Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
26	52	62	124	14,100	Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
830	1,660	11,000	22,000	NE	cis-1,2-Dichloroethane	440	4,000	BDL	30	23	78**	5.2	5.1	14	33	15	18	
6	12	25	50	34,000	cis-1,3-Dichloropropene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	1,020	Dibromochloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
2,700	5,400	36,000	72,000	580,000	Ethylbenzene	BDL	4,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
2,800	5,600	6,800	13,600	NE	Isopropylbenzene	BDL	190	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
160	320	2,200	4,400	48,000	Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Methyl Ethyl Ketone	BDL	2,400	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
21,000	42,000	50,000	100,000	NE	Methyl t-butyl ether (MTBE)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Naphthalene	BDL	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	n-Propylbenzene	BDL	84	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	p-Isopropyltoluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
					sec-Butylbenzene	BDL	420	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
					tert-Butylbenzene	BDL	76	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
340	680	810	1,620	88	Tetrachloroethylene	97	BDL	BDL	5.7	7.4	3.7	4.9	4.5	13	11	6.6	6.6	
NE	NE	NE	NE	NE	Tetrahydrafuran	BDL	460	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
7,100	14,200	41,000	82,000	4,000,000	Toluene	BDL	14,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,000	2,000	13,000	26,000	NE	trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
6	12	25	50	34,000	trans-1,3-Dichloropropene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
27	54	67	134	2,340	Trichloroethene	150	BDL	BDL	9.9	10	17	4.3	4	10	20	9.9	16	
NE	NE	NE	NE	NE	Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1.6	3.2	52	104	15,750	Vinyl Chloride	BDL	1,100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
8,700	17,400	48,000	96,000	NE	Xylenes	BDL	514,200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
					Metals													
NE	NE	NE	NE	NE	Barium, Dissolved	13.0	74	11	98	35	55	33	33	26	11	45	23	
NE	NE	NE	NE	6	Cadmium, Dissolved	BDL	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	
NE	NE	NE	NE	110 (Cr VI)	Chromium, Dissolved	BDL	36	BDL	BDL	BDL	BDL	2	2	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	48	Copper, Dissolved	5.0	15	BDL	9	2	2	22	20	19	210	5	5	
NE	NE	NE	NE	NE	Iron, Dissolved	16	73,300	34	49	13	6	47	11	33	9	4	20	
NE	NE	NE	NE	NE	Manganese, Dissolved	1,820	5,760	2	34	159	54	3	6	256	479	37	402	
NE	NE	NE	NE	880	Nickel, Dissolved	26	34	BDL	4	1	6	24	24	19	63	9	28	
NE	NE	NE	NE	NE	Sodium, Dissolved	225,000	60,500	3,880	47,200	40,600	43,800	31,600	32,000	172,000	115,000	91,400	94,400	
NE	NE	NE	NE	123	Zinc, Dissolved	10	542	3	52	6	16	76	76	33	225	40	85	
					Indicator Parameters													
NE	NE	NE	NE	NE	Ammonia Nitrogen	6,500	28,000	80	100	90	110	140	160	130	1,200	90	70	
NE	NE	NE	NE	NE	Chloride, Water	420,000	190,000	24,000	89,000	70,000	130,000	44,000	43,000	290,000	210,000	160,000	150,000	
NE	NE	NE	NE	52	Cyanide, Water	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Nitrate Nitrogen, Water	89,000	170	3,400	4,300	2,700	18,000	6,800	6,800	40,000	17,000	10,000	15,000	
NE	NE	NE	NE	NE	Nitrite Nitrogen, Water	BDL	BDL	BDL	BDL	BDL	BDL	50	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Phenols, Water	BDL	1,050	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Sulfate, Water	610,000	18,000	25,000	66,000	61,000	330,000	81,000	80,000	310,000	130,000	79,000	97,000	
NE	NE	NE	NE	NE	Total Dissolved Solids, Water	2,100,000	780,000	140,000	280,000	250,000	900,000	260,000	260,000	1,100,000	660,000	510,000	510,000	
NE	NE	NE	NE	NE	Total Organic Carbon, Water	3,200	240,000	2,500	2,100</									

## Notes

IVC

RVC  
SMD

swp  
NE

NE  
BDI

DDE  
NA

IVC	Industrial Volatilization Criteria
RVC	Residential Volatilization Criteria
SWPC	Surface Water Protection Criteria
NE	Not established
BDL	Below Detection Limit
NA	Not analyzed

\* VOCs analyzed using Method 8260

\*\* estimate

**TABLE 2. SUMMARY OF ANALYTICAL RESULTS, GA WELL (MW-36)**  
 Thomaston, Connecticut  
 2010 Fourth Quarter

GWPC	CTDEP CRITERIA (ug/L) <sup>1</sup>						Reference Elevation	WELL Date	MW-36 12/15/10			
	2 x GWPC	RVC	2 x RVC	IVC	2 x IVC	SWPC						
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L						
						Field Parameters						
						Depth to Water	NM					
						Water Level Elevation (feet)						
						pH (standard units)	6.54					
						Specific Conductance ( $\mu\text{mhos}/\text{cm}$ )	366					
Volatile Organic Compounds*												
200	400	6,500	13,000	16,000	32,000	62,000	1,1,1-Trichloroethane	BDL				
0.5	1	1.8	3.6	54	108	110	1,1,2,2-Tetrachloroethane	BDL				
5	10	220	440	2,900	5,800	1,260	1,1,2-Trichloroethane	BDL				
70	140	3,000	6,000	41,000	82,000	NE	1,1-Dichloroethane	BDL				
7	14	190	380	920	1,840	96	1,1-Dichloroethene	BDL				
600	1,200	5,100	10,200	50,000	100,000	170,000	1,2-Dichlorobenzene	BDL				
1	2	6.5	13	68	136	2,970	1,2-Dichloroethane	BDL				
5	10	7.4	15	58	116	NE	1,2-Dichloropropane	BDL				
600	1,200	4,300	8,600	50,000	100,000	26,000	1,3-Dichlorobenzene	BDL				
75	150	1,400	2,800	3,400	6,800	26,000	1,4-Dichlorobenzene	BDL				
NE	NE	NE	NE	NE	NE	NE	2-Chloroethyl vinyl ether	NA				
NE	NE	NE	NE	NE	NE	NE	Acrolein	NA				
0.5	1	NE	NE	NE	NE	20	Acrylonitrile	BDL				
1	2	130	260	310	620	710	Benzene	BDL				
0.56	1	2.3	5	73	146	NE	Bromodichloromethane	BDL				
4	8	75	150	2,300	4,600	10,800	Bromoform	BDL				
9.8	20	NE	NE	NE	NE	NE	Bromomethane	BDL				
5	10	5.3	11	14	28	132	Carbon Tetrachloride	BDL				
100	200	1,800	3,600	23,000	46,000	420,000	Chlorobenzene	BDL				
NE	NE	12,000	24,000	29,000	58,000	NE	Chloroethane	BDL				
6	12	26	52	62	124	14,100	Chloroform	BDL				
2.7	5	NE	NE	NE	NE	NE	Chloromethane	BDL				
0.5	1	6	12	25	50	34,000	cis-1,3-Dichloropropene	BDL				
0.5	1	NE	NE	NE	NE	1,020	Dibromochloromethane	BDL				
700	1,400	2,700	5,400	36,000	72,000	580,000	Ethylbenzene	BDL				
5	10	160	320	2,200	4,400	48,000	Methylene Chloride	BDL				
5	10	340	680	810	1,620	88	Tetrachloroethylene	BDL				
1,000	2,000	7,100	14,200	41,000	82,000	4,000,000	Toluene	BDL				
100	200	1,000	2,000	13,000	26,000	NE	trans-1,2-Dichloroethene	BDL				
0.5	1	6	12	25	50	34,000	trans-1,3-Dichloropropene	BDL				
5	10	27	54	67	134	2,340	Trichloroethene	BDL				
1,300	2,600	NE	NE	NE	NE	NE	Trichlorofluoromethane	BDL				
2	4	1.6	3.2	52	104	15,750	Vinyl Chloride	BDL				
Metals												
1,000	2,000	NE	NE	NE	NE	NE	Barium, Dissolved	46				
5	10	NE	NE	NE	NE	6	Cadmium, Dissolved	BDL				
50 (Cr total)	100	NE	NE	NE	NE	110 (Cr VI)	Chromium, Dissolved	BDL				
1,300	2,600	NE	NE	NE	NE	48	Copper, Dissolved	BDL				
NE	NE	NE	NE	NE	NE	NE	Iron, Dissolved	6				
NE	NE	NE	NE	NE	NE	NE	Manganese, Dissolved	BDL				
100	200	NE	NE	NE	NE	880	Nickel, Dissolved	2				
NE	NE	NE	NE	NE	NE	NE	Sodium, Dissolved	43,500				
5,000	10,000	NE	NE	NE	NE	123	Zinc, Dissolved	44				
Indicator Parameters												
NE	NE	NE	NE	NE	NE	NE	Ammonia Nitrogen	90				
NE	NE	NE	NE	NE	NE	NE	Chloride, Water	72,000				
200	400	NE	NE	NE	NE	52	Cyanide, Water	BDL				
NE	NE	NE	NE	NE	NE	NE	Nitrate Nitrogen, Water	320				
NE	NE	NE	NE	NE	NE	NE	Nitrite Nitrogen, Water	BDL				
NE	NE	NE	NE	NE	NE	NE	Phenols, Water	BDL				
NE	NE	NE	NE	NE	NE	NE	Sulfate, Water	36,000				
NE	NE	NE	NE	NE	NE	NE	Total Dissolved Solids, Water	200,000				
NE	NE	NE	NE	NE	NE	NE	Total Organic Carbon, Water	6,300				
NE	NE	NE	NE	NE	NE	NE	Total Organic Halogens, Water	21				
NE	NE	NE	NE	NE	NE	NE	Total Suspended Solids	BDL				

Notes:

GWPS Ground Water Protection Standard  
 IVC Industrial Volatilization Criteria  
 RVC Residential Volatilization Criteria  
 SWPC Surface Water Protection Criteria  
 NE Not Established  
 NS Not Sampled  
 NM Not Measured  
 BDL Below Detection Limit

\* VOCs analyzed using Method 8260

TABLE 3. SUMMARY OF ANALYTICAL RESULTS, BRANCH BROOK (SURFACE WATER)<sup>1</sup>

Thomaston, Connecticut  
2010 Fourth Quarter

CTDEP Class A Surface Water Criteria <sup>2</sup> Aquatic Life Criteria Human Health Criteria				Branch Brook Sample Date	SW-DN 12/16/10	SW-UP 12/16/10
Acute ug/L	Chronic ug/L	Consumption of Organisms Only ug/L	Consumption of Water and Organisms ug/L	pH (standard units)	6.90	6.80
				Specific Conductance ( $\mu\text{mhos}/\text{cm}$ )	107	112
NE	NE	NE	NE	1,1,1-Trichloroethane	BDL	BDL
NE	NE	11	0.17	1,1,2,2-Tetrachloroethane	BDL	BDL
NE	NE	42	0.6	1,1,2-Trichloroethane	BDL	BDL
NE	NE	NE	NE	1,1-Dichloroethane	BDL	BDL
NE	NE	3.2	0.057	1,1-Dichloroethene	BDL	BDL
NE	NE	17,000	2,700	1,2-Dichlorobenzene	BDL	BDL
NE	NE	99	0.38	1,2-Dichloroethane	BDL	BDL
NE	NE	39	0.52	1,2-Dichloropropane	BDL	BDL
NE	NE	2,600	400	1,3-Dichlorobenzene	BDL	BDL
NE	NE	2,600	400	1,4-Dichlorobenzene	BDL	BDL
NE	NE	NE	NE	2-Chloroethyl vinyl ether	NT	NT
NE	NE	780	320	Acrolein	NT	NT
NE	NE	0.66	0.059	Acrylonitrile	BDL	BDL
NE	NE	71	1.2	Benzene	BDL	BDL
NE	NE	46	0.56	Bromodichloromethane	BDL	BDL
NE	NE	360	4.3	Bromoform	BDL	BDL
NE	NE	4.4	0.25	Bromomethane	BDL	BDL
NE	NE	21,000	100	Carbon Tetrachloride	BDL	BDL
NE	NE	NE	NE	Chlorobenzene	BDL	BDL
NE	NE	470	5.7	Chloroethane	BDL	BDL
NE	NE	NE	NE	Chloroform	BDL	BDL
NE	NE	1,700	10	Chloromethane	BDL	BDL
NE	NE	34	0.41	cis-1,3-Dichloropropene	BDL	BDL
NE	NE	29,000	700	Dibromochloromethane	BDL	BDL
NE	NE	1,600	4.7	Ethylbenzene	BDL	BDL
NE	NE	8.85	0.8	Methylene Chloride	BDL	BDL
NE	NE	200,000	1,000	Tetrachloroethylene	BDL	BDL
NE	NE	140,000	100	Toluene	BDL	BDL
NE	NE	1,700	10	trans-1,2-Dichloroethene	BDL	BDL
NE	NE	81	2.7	trans-1,3-Dichloropropene	BDL	BDL
NE	NE	NE	NE	Trichloroethene	BDL	BDL
NE	NE	525	2	Trichlorofluoromethane	BDL	BDL
NE	NE	NE	NE	Vinyl Chloride	BDL	BDL
				Metals		
NE	NE	NE	NE	Barium, Dissolved	10.0	10.0
2.02	1.35	10,769	5	Cadmium, Dissolved	BDL	BDL
16 (Cr VI)	11 (Cr VI)	2019 (Cr VI)	100 (Cr VI)	Chromium, Dissolved	BDL	BDL
14.3	4.8	NE	1,300	Copper, Dissolved <sup>3</sup>	1	BDL
NE	NE	NE	NE	Iron, Dissolved	144	120
NE	NE	NE	NE	Manganese, Dissolved	61	49
260.5	28.9	4,600	610	Nickel, Dissolved	1	2
NE	NE	NE	NE	Sodium, Dissolved	9,550	10,300
65	65	68,740	9,100	Zinc, Dissolved	9.0	7.0
				Indicator Parameters		
see footnote 4(a)	see footnote 4 (b,c)	NE	NE	Ammonia Nitrogen	100	130
NE	NE	NE	NE	Chloride, Water	15,000	16,000
22	5.2	220,000	200	Cyanide, Water	BDL	BDL
NE	NE	NE	NE	Nitrate Nitrogen, Water	130	120
NE	NE	NE	NE	Nitrite Nitrogen, Water	BDL	BDL
NE	NE	NE	NE	Phenols, Water	BDL	BDL
NE	NE	NE	NE	Sulfate, Water	8,500	8,300
NE	NE	NE	NE	Total Dissolved Solids, Water	63,000	64,000
NE	NE	NE	NE	Total Organic Carbon, Water	3,200	3,200
NE	NE	NE	NE	Total Organic Halogens, Water	17	13
NE	NE	NE	NE	Total Suspended Solids	8,500	BDL

## Notes:

CTDEP Connecticut Department of Environmental Protection  
NE Not established  
BDL Below Detection Limit

## Footnotes:

<sup>1</sup> Samples were collected from Branch Brook, a Class B/A surface water and therefore is required to meet CTDEP Class A surface water quality standards (footnote 2).

<sup>2</sup> Class A Surface Waters are designated for: habitat for fish and other aquatic life and wildlife; potential drinking water supplies; recreation; navigation; and water supply for industry and agriculture (State of Connecticut Surface Water Quality Standards, Effective December 17, 2002)

<sup>3</sup> Biological integrity is impaired when the ambient concentration exceeds the acute value on more than 5% of the year and the chronic value more than 50% of the year.

<sup>4</sup> The criteria for ammonia (mg/L as N) vary in response to ambient surface water temperature (T, degrees C) and pH. Biological integrity is considered impaired when:

a. The one-hour average concentration of total ammonia exceeds:

$$[0.275 / 1 + 10^{(7.204 - \text{pH})}] + [39 / (1 + 10^{(\text{pH} - 7.204)})]$$

- or -

$$[0.411 / 1 + 10^{(7.204 - \text{pH})}] + [58.4 / (1 + 10^{(\text{pH} - 7.204)})]$$

when salmonids are absent

b. The four-day average concentration of total ammonia exceeds 2.5 times the value obtained from the formula (c) below.

c. The 30-day average concentration of total ammonia exceeds:

$$[0.0577 / 1 + 10^{(7.352 - \text{pH})}] + [2.487 / 1 + 10^{(\text{pH} - 7.352)}] \times [\text{MIN}(2.85, 1.45 \times 10^{(0.022(\text{C}-1))})]$$

- or -

$$[0.0577 / 1 + 10^{(7.352 - \text{pH})}] + [2.487 / 1 + 10^{(\text{pH} - 7.352)}] \times [1.45 \times 10^{(0.022(\text{C} - \text{MAX}(1, \text{I}))})]$$

d. VOCs analyzed using Method 8260

**TABLE 4. SUMMARY OF ANALYTICAL RESULTS, QA/QC SAMPLES**

Thomaston, Connecticut

2010 Fourth Quarter

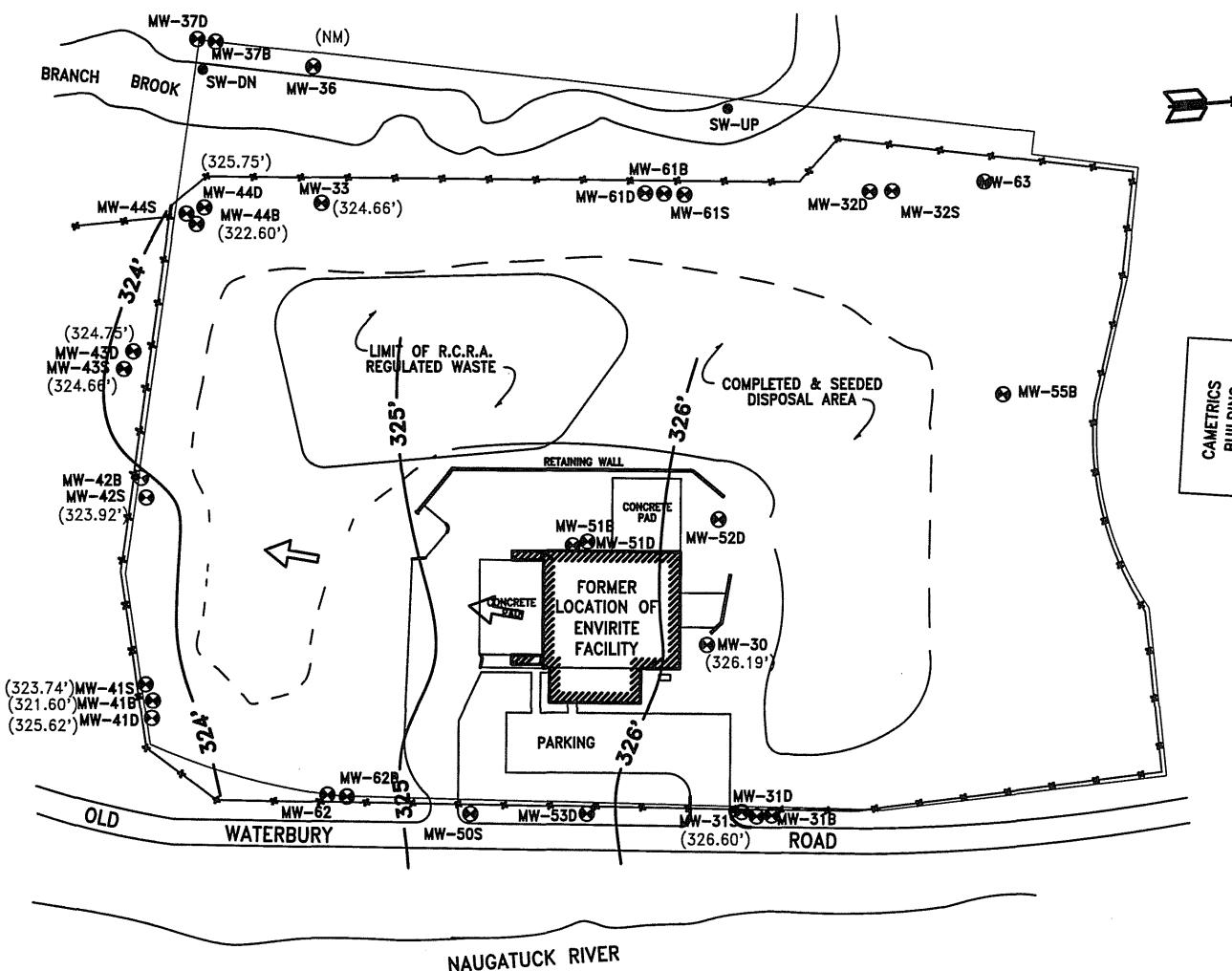
Sample Description Date	Equipment Blank 12/15/10	Field Blank 12/15/10	Trip Blank 12/15/10
Volatile Organic Compounds*	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL
1,1,2-Trichloroethane	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL
1,1-Dichloroethene	BDL	BDL	BDL
1,2-Dichlorobenzene	BDL	BDL	BDL
1,2-Dichloroethane	BDL	BDL	BDL
1,2-Dichloropropane	BDL	BDL	BDL
1,3-Dichlorobenzene	BDL	BDL	BDL
1,4-Dichlorobenzene	BDL	BDL	BDL
2-Chloroethyl vinyl ether	NT	NT	NT
Acrolein	NT	NT	NT
Acrylonitrile	BDL	BDL	BDL
Benzene	BDL	BDL	BDL
Bromodichloromethane	BDL	BDL	BDL
Bromoform	BDL	BDL	BDL
Bromomethane	BDL	BDL	BDL
Carbon Tetrachloride	BDL	BDL	BDL
Chlorobenzene	BDL	BDL	BDL
Chloroethane	BDL	BDL	BDL
Chloroform	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL
cis-1,3-Dichloropropene	BDL	BDL	BDL
Dibromochloromethane	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL
Tetrachloroethylene	BDL	BDL	BDL
Toluene	BDL	BDL	BDL
trans-1,2-Dichloroethene	BDL	BDL	BDL
trans-1,3-Dichloropropene	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL
Trichlorofluoromethane	BDL	BDL	BDL
Vinyl Chloride	BDL	BDL	BDL
Metals			
Barium, Dissolved	BDL	BDL	NT
Cadmium, Dissolved	BDL	BDL	NT
Chromium, Dissolved	BDL	BDL	NT
Copper, Dissolved	BDL	BDL	NT
Iron, Dissolved	3	3	NT
Manganese, Dissolved	BDL	BDL	NT
Nickel, Dissolved	BDL	BDL	NT
Sodium, Dissolved	BDL	BDL	NT
Zinc, Dissolved	4	4	NT
Indicator Parameters			
Ammonia Nitrogen	110	60	NT
Chloride, Water	BDL	BDL	NT
Cyanide, Water	BDL	BDL	NT
Nitrate Nitrogen, Water	BDL	BDL	NT
Nitrite Nitrogen, Water	BDL	BDL	NT
Phenols, Water	BDL	BDL	NT
Sulfate, Water	BDL	BDL	NT
Total Dissolved Solids, Water	BDL	BDL	NT
Total Organic Carbon, Water	BDL	BDL	NT
Total Organic Halogens, Water	BDL	16	NT
Total Suspended Solids	BDL	BDL	NT

Notes:

BDL Below Detection Limit

NT Not Tested

\* VOCs analyzed using Method 8260



#### LEGEND

- = BUILDING LINE
- = PROPERTY LINE
- X— = FENCE LINE
- = WALK/STREET
- = RIVER/BROOK
- = EXISTING MONITORING WELL
- (324.50) = ELEVATION OF GROUNDWATER IN FEET RELATIVE TO A COMMON DATUM
- 324 — = GROUNDWATER ELEVATION CONTOUR (DASHED WHEN INFERRED)
- = DIRECTION OF FLOW

#### NOTE:

DATA FROM THE FOLLOWING MONITORING WELLS WERE USED TO CONSTRUCT THIS MAP, MW-30, MW-31S, MW-33, MW-41S, AND MW-43S.

SCALE  
0 100'  
ALL LOCATIONS ARE APPROXIMATE

#### MAP INFORMATION

BASED ON "GZA" GEOENVIRONMENTAL, INC.  
DWG. NO. 2-5, PROJECT NO. 41302.4  
TITLED: BEDROCK CONTOUR PLAN,  
DATED: MARCH 15, 1995 &  
R.C.R.A. MONITORING (GROUNDWATER CONTOUR  
PLAN) PROJECT #41391.1, FIG.2.

**Vanasse Hangen Brustlin, Inc.**

4TH Q 2010 GROUNDWATER CONTOURS  
ENVIRITE/THOMASTON LANDFILL  
OLD WATERBURY ROAD  
THOMASTON, CONNECTICUT



Thursday, December 30, 2010

**Attn: Mr. Phil Rydel  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847**

**Project ID: ENVIRITE LF/THOMASTON  
Sample ID#s: AZ87603 - AZ87611**

**This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.**

**This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.**

**A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.**

**If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.**

**Sincerely yours,**

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

**Phyllis Shiller  
Laboratory Director**

**NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301**



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

December 30, 2010

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

#### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426.01

#### Custody Information

Collected by: PMR  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/14/10 10:00  
12/15/10 0:00

SDG ID: GAZ87603

Phoenix ID: AZ87603

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-41S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.098	0.002	mg/L	12/16/10		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/16/10		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.009	0.001	mg/L	12/16/10		LK	6010/200.7
Iron (Dissolved)	0.049	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.034	0.001	mg/L	12/16/10		LK	6010/200.7
Sodium (Dissolved)	47.2	0.11	mg/L	12/16/10		LK	6010/200.7
Nickel (Dissolved)	0.004	0.001	mg/L	12/16/10		LK	6010/200.7
Zinc (Dissolved)	0.052	0.002	mg/L	12/16/10		LK	6010/200.7
Chloride	89	3.0	mg/L	12/15/10		B/E	300.0
Conductivity	520	5	umhos/cm	12/16/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.1	0.02	mg/L	12/17/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/15/10	23:20	B/E	300.0
Nitrate as Nitrogen	4.3	0.05	mg/L	12/15/10	23:20	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/20/10		M/G	E420.4
pH	6.64	0.10	pH	12/16/10	4:21	BS/EG	4500-H B/9040
Sulfate	66	3.0	mg/L	12/15/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/27/10		GD	335.4/9010
Tot. Diss. Solids	280	10	mg/L	12/16/10		KDB	SM2540C
Total Organic Carbon	2.1	1.0	mg/L	12/16/10		JL	SM 5310B
Total Suspended Solids	140	5.0	mg/L	12/16/10		KDB	SM2540D
Filtration	Completed			12/15/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/15/10		AG	SW846-3005
Tot. Org. Halogens	0.044	0.010	mg/L	12/17/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-41S

Phoenix I.D.: AZ87603

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Acetone	ND	25	ug/L	12/21/10		H/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/21/10		H/L	SW8260
Benzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Bromoform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/21/10		H/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,2-Dichloroethene	30	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/21/10		H/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-41S

Phoenix I.D.: AZ87603

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
o-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Styrene	ND	1.0	ug/L	12/21/10		H/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Tetrachloroethene	5.7	1.0	ug/L	12/21/10		H/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/21/10		H/L	SW8260
Toluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/21/10		H/L	SW8260
Trichloroethene	9.9	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	103		%	12/21/10		H/L	SW8260
% Bromofluorobenzene	112		%	12/21/10		H/L	SW8260
% Dibromofluoromethane	112		%	12/21/10		H/L	SW8260
% Toluene-d8	96		%	12/21/10		H/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

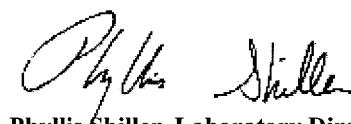
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

### Custody Information

Collected by: PMR  
 Received by: LB  
 Analyzed by: see "By" below

Date 12/14/10 Time 8:45

Date 12/15/10 Time 0:00

SDG ID: GAZ87603

Phoenix ID: AZ87604

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-41D

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.035	0.002	mg/L	12/16/10		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/16/10		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.002	0.001	mg/L	12/16/10		LK	6010/200.7
Iron (Dissolved)	0.013	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.159	0.001	mg/L	12/16/10		LK	6010/200.7
Sodium (Dissolved)	40.6	0.11	mg/L	12/16/10		LK	6010/200.7
Nickel (Dissolved)	0.001	0.001	mg/L	12/16/10		LK	6010/200.7
Zinc (Dissolved)	0.006	0.002	mg/L	12/16/10		LK	6010/200.7
Chloride	70	3.0	mg/L	12/15/10		B/E	300.0
Conductivity	443	5	umhos/cm	12/16/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.09	0.02	mg/L	12/17/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/15/10	23:29	B/E	300.0
Nitrate as Nitrogen	2.7	0.05	mg/L	12/15/10	23:29	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/20/10		M/G	E420.4
pH	6.77	0.10	pH	12/16/10	4:26	BS/EG	4500-H B/9040
Sulfate	61	3.0	mg/L	12/15/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/27/10		GD	335.4/9010
Tot. Diss. Solids	250	10	mg/L	12/16/10		KDB	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	12/16/10		JL	SM 5310B
Total Suspended Solids	37	5.0	mg/L	12/16/10		KDB	SM2540D
Filtration	Completed			12/15/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/15/10		AG	SW846-3005
Tot. Org. Halogens	0.034	0.010	ug/L	12/17/10		*	SW9020

### Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/21/10	H/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/21/10	H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-41D

Phoenix I.D.: AZ87604

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Acetone	ND	25	ug/L	12/21/10		H/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/21/10		H/L	SW8260
Benzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Bromoform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/21/10		H/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,2-Dichloroethene	23	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/21/10		H/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-41D

Phoenix I.D.: AZ87604

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
o-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Styrene	ND	1.0	ug/L	12/21/10		H/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Tetrachloroethene	7.4	1.0	ug/L	12/21/10		H/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/21/10		H/L	SW8260
Toluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/21/10		H/L	SW8260
Trichloroethene	10	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	106		%	12/21/10		H/L	SW8260
% Bromofluorobenzene	112		%	12/21/10		H/L	SW8260
% Dibromofluoromethane	113		%	12/21/10		H/L	SW8260
% Toluene-d8	94		%	12/21/10		H/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

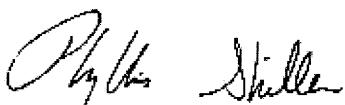
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

December 30, 2010

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

#### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426.01

#### Custody Information

Collected by: PMR  
Received by: LB  
Analyzed by: see "By" below

Date

12/14/10 9:30

12/15/10 0:00

Time

SDG ID: GAZ87603

Phoenix ID: AZ87605

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-41B

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.055	0.002	mg/L	12/16/10		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/16/10		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.002	0.001	mg/L	12/16/10		LK	6010/200.7
Iron (Dissolved)	0.006	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.054	0.001	mg/L	12/16/10		LK	6010/200.7
Sodium (Dissolved)	43.8	0.11	mg/L	12/16/10		LK	6010/200.7
Nickel (Dissolved)	0.006	0.001	mg/L	12/16/10		LK	6010/200.7
Zinc (Dissolved)	0.016	0.002	mg/L	12/16/10		LK	6010/200.7
Chloride	130	15	mg/L	12/16/10		B/E	300.0
Conductivity	1260	5	umhos/cm	12/16/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.11	0.02	mg/L	12/17/10		WM	E350.1
Nitrite as Nitrogen	0.05	0.01	mg/L	12/15/10	23:37	B/E	300.0
Nitrate as Nitrogen	18	0.25	mg/L	12/16/10	23:46	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/20/10		M/G	E420.4
pH	7.55	0.10	pH	12/16/10	4:29	BS/EG	4500-H B/9040
Sulfate	330	15	mg/L	12/16/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/27/10		GD	335.4/9010
Tot. Diss. Solids	900	10	mg/L	12/16/10		KDB	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	12/16/10		JL	SM 5310B
Total Suspended Solids	13	5.0	mg/L	12/16/10		KDB	SM2540D
Filtration	Completed			12/15/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/15/10		AG	SW846-3005
Tot. Org. Halogens	0.077	0.010	mg/L	12/17/10		*	SW9020
<hr/>							
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-41B

Phoenix I.D.: AZ87605

Parameter	Result	RL	Units	Date	Time	By	Reference	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/21/10		H/L	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,2-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
2-Hexanone	ND	5.0	ug/L	12/21/10		H/L	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
4-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	12/21/10		H/L	SW8260	
Acetone	ND	25	ug/L	12/21/10		H/L	SW8260	
Acrylonitrile	ND	5.0	ug/L	12/21/10		H/L	SW8260	
Benzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Bromobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Bromochloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Bromodichloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260	
Bromoform	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Bromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Carbon Disulfide	ND	5.0	ug/L	12/21/10		H/L	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Chlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Chloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Chloroform	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Chloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
cis-1,2-Dichloroethene	78	E	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260	
Dibromochloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260	
Dibromoethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Dibromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Ethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	12/21/10		H/L	SW8260	
Isopropylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
m&p-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	12/21/10		H/L	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/21/10		H/L	SW8260	
Methylene chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260	

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-41B

Phoenix I.D.: AZ87605

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
o-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Styrene	ND	1.0	ug/L	12/21/10		H/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Tetrachloroethene	3.7	1.0	ug/L	12/21/10		H/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/21/10		H/L	SW8260
Toluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/21/10		H/L	SW8260
Trichloroethene	17	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	106		%	12/21/10		H/L	SW8260
% Bromofluorobenzene	110		%	12/21/10		H/L	SW8260
% Dibromofluoromethane	111		%	12/21/10		H/L	SW8260
% Toluene-d8	94		%	12/21/10		H/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

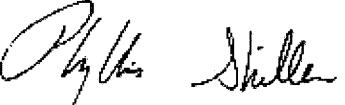
\* TOX analyzed by CT certified lab #PH-0520.

E = Estimated value. Sample result was above the calibration range. Insufficient sample provided for dilution.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Phil Rydel  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426.01

### Custody Information

Collected by: PMR  
Received by: LB  
Analyzed by: see "By" below

Date 12/14/10 Time 10:30

Date 12/15/10 Time 0:00

SDG ID: GAZ87603

Phoenix ID: AZ87606

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-42S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.033	0.002	mg/L	12/16/10		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/16/10		LK	6010/200.7
Chromium (Dissolved)	0.002	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.022	0.001	mg/L	12/16/10		LK	6010/200.7
Iron (Dissolved)	0.047	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.003	0.001	mg/L	12/16/10		LK	6010/200.7
Sodium (Dissolved)	31.6	0.11	mg/L	12/16/10		LK	6010/200.7
Nickel (Dissolved)	0.024	0.001	mg/L	12/16/10		LK	6010/200.7
Zinc (Dissolved)	0.076	0.002	mg/L	12/16/10		LK	6010/200.7
Chloride	44	3.0	mg/L	12/15/10		B/E	300.0
Conductivity	448	5	umhos/cm	12/16/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.14	0.02	mg/L	12/17/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/15/10	23:54	B/E	300.0
Nitrate as Nitrogen	6.8	0.05	mg/L	12/15/10	23:54	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/20/10		M/G	E420.4
pH	6.65	0.10	pH	12/16/10	4:32	BS/EG	4500-H B/9040
Sulfate	81	3.0	mg/L	12/15/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/27/10		GD	335.4/9010
Tot. Diss. Solids	260	10	mg/L	12/16/10		KDB	SM2540C
Total Organic Carbon	2.0	1.0	mg/L	12/16/10		JL	SM 5310B
Total Suspended Solids	38	5.0	mg/L	12/16/10		KDB	SM2540D
Filtration	Completed			12/15/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/15/10		AG	SW846-3005
Tot. Org. Halogens	0.027	0.010	ug/L	12/17/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Acetone	ND	25	ug/L	12/21/10		H/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/21/10		H/L	SW8260
Benzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Bromoform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/21/10		H/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,2-Dichloroethene	5.2	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/21/10		H/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-42S

Phoenix I.D.: AZ87606

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
o-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Styrene	ND	1.0	ug/L	12/21/10		H/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Tetrachloroethene	4.9	1.0	ug/L	12/21/10		H/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/21/10		H/L	SW8260
Toluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/21/10		H/L	SW8260
Trichloroethene	4.3	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	12/21/10		H/L	SW8260
% Bromofluorobenzene	114		%	12/21/10		H/L	SW8260
% Dibromofluoromethane	110		%	12/21/10		H/L	SW8260
% Toluene-d8	92		%	12/21/10		H/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

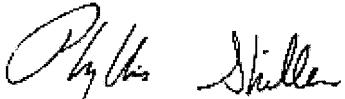
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

### Custody Information

Collected by: PMR  
 Received by: LB  
 Analyzed by: see "By" below

Date

12/14/10 11:00  
 12/15/10 0:00

Time

SDG ID: GAZ87603

Phoenix ID: AZ87607

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-42S DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.033	0.002	mg/L	12/16/10		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/16/10		LK	6010/200.7
Chromium (Dissolved)	0.002	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.020	0.001	mg/L	12/16/10		LK	6010/200.7
Iron (Dissolved)	0.011	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.006	0.001	mg/L	12/16/10		LK	6010/200.7
Sodium (Dissolved)	32.0	0.11	mg/L	12/16/10		LK	6010/200.7
Nickel (Dissolved)	0.024	0.001	mg/L	12/16/10		LK	6010/200.7
Zinc (Dissolved)	0.076	0.002	mg/L	12/16/10		LK	6010/200.7
Chloride	43	3.0	mg/L	12/16/10		B/E	300.0
Conductivity	441	5	umhos/cm	12/16/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.16	0.02	mg/L	12/17/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/16/10	0:03	B/E	300.0
Nitrate as Nitrogen	6.8	0.05	mg/L	12/16/10	0:03	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/20/10		M/G	E420.4
pH	6.65	0.10	pH	12/16/10	4:35	BS/EG	4500-H B/9040
Sulfate	80	3.0	mg/L	12/16/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/27/10		GD	335.4/9010
Tot. Diss. Solids	260	10	mg/L	12/16/10		KDB	SM2540C
Total Organic Carbon	2.0	1.0	mg/L	12/16/10		JL	SM 5310B
Total Suspended Solids	37	5.0	mg/L	12/16/10		KDB	SM2540D
Filtration	Completed			12/15/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/15/10		AG	SW846-3005
Tot. Org. Halogens	0.020	0.010	mg/L	12/17/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-42S DUP

Phoenix I.D.: AZ87607

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Acetone	ND	25	ug/L	12/21/10		H/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/21/10		H/L	SW8260
Benzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Bromoform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/21/10		H/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,2-Dichloroethene	5.1	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/21/10		H/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-42S DUP

Phoenix I.D.: AZ87607

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
o-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Styrene	ND	1.0	ug/L	12/21/10		H/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Tetrachloroethene	4.5	1.0	ug/L	12/21/10		H/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/21/10		H/L	SW8260
Toluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/21/10		H/L	SW8260
Trichloroethene	4.0	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	103		%	12/21/10		H/L	SW8260
% Bromofluorobenzene	116		%	12/21/10		H/L	SW8260
% Dibromofluoromethane	115		%	12/21/10		H/L	SW8260
% Toluene-d8	92		%	12/21/10		H/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

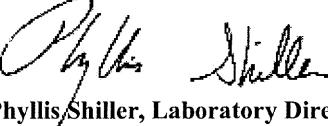
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Phil Rydel  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426.01

### Custody Information

Collected by: PMR  
Received by: LB  
Analyzed by: see "By" below

Date 12/14/10 Time 12:30

Date 12/15/10 Time 0:00

SDG ID: GAZ87603

Phoenix ID: AZ87608

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-43S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.026	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.019	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.033	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.256	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	172	1.1	mg/L	12/20/10		LK	6010/200.7
Nickel (Dissolved)	0.019	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.033	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	290	30	mg/L	12/16/10		B/E	300.0
Conductivity	1890	5	umhos/cm	12/16/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.13	0.02	mg/L	12/17/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/16/10	0:12	B/E	300.0
Nitrate as Nitrogen	40	0.50	mg/L	12/16/10	23:55	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/20/10		M/G	E420.4
pH	6.54	0.10	pH	12/16/10	4:38	BS/EG	4500-H B/9040
Sulfate	310	30	mg/L	12/16/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/27/10		GD	335.4/9010
Tot. Diss. Solids	1100	10	mg/L	12/16/10		KDB	SM2540C
Total Organic Carbon	2.1	1.0	mg/L	12/16/10		JL	SM 5310B
Total Suspended Solids	82	5.0	mg/L	12/16/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.041	0.010	ug/L	12/17/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-43S

Phoenix I.D.: AZ87608

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Acetone	ND	25	ug/L	12/21/10		H/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/21/10		H/L	SW8260
Benzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Bromoform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Bromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/21/10		H/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloroform	ND	1.0	ug/L	12/21/10		H/L	SW8260
Chloromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,2-Dichloroethene	14	1.0	ug/L	12/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/21/10		H/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/21/10		H/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/21/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/21/10		H/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-43S

Phoenix I.D.: AZ87608

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
o-Xylene	ND	1.0	ug/L	12/21/10		H/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Styrene	ND	1.0	ug/L	12/21/10		H/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Tetrachloroethene	13	1.0	ug/L	12/21/10		H/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/21/10		H/L	SW8260
Toluene	ND	1.0	ug/L	12/21/10		H/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/21/10		H/L	SW8260
Trichloroethene	10	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/21/10		H/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/21/10		H/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	105		%	12/21/10		H/L	SW8260
% Bromofluorobenzene	114		%	12/21/10		H/L	SW8260
% Dibromofluoromethane	118		%	12/21/10		H/L	SW8260
% Toluene-d8	91		%	12/21/10		H/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

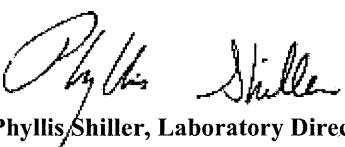
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

### Custody Information

Collected by: PMR  
 Received by: LB  
 Analyzed by: see "By" below

Date

12/14/10 12:00

12/15/10 0:00

Time

SDG ID: GAZ87603

Phoenix ID: AZ87609

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-43D

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.011	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.210	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.009	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.479	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	115	1.1	mg/L	12/20/10		LK	6010/200.7
Nickel (Dissolved)	0.063	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.225	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	210	15	mg/L	12/17/10		B/E	300.0
Conductivity	1180	5	umhos/cm	12/16/10		BS/EG	SM2510B
Ammonia as Nitrogen	1.2	0.02	mg/L	12/17/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/16/10	0:20	B/E	300.0
Nitrate as Nitrogen	17	0.25	mg/L	12/17/10	0:03	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/20/10		M/G	E420.4
pH	6.17	0.10	pH	12/16/10	4:55	BS/EG	4500-H B/9040
Sulfate	130	15	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/27/10		GD	335.4/9010
Tot. Diss. Solids	660	10	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	12/16/10		JL	SM 5310B
Total Suspended Solids	9.0	5.0	mg/L	12/16/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.048	0.010	mg/L	12/17/10		*	SW9020
<hr/>							
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-43D

Phoenix I.D.: AZ87609

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/22/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/22/10		R/L	SW8260
Acetone	ND	25	ug/L	12/22/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/22/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/22/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
cis-1,2-Dichloroethene	33	1.0	ug/L	12/22/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/22/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/22/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/22/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/22/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/22/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-43D

Phoenix I.D.: AZ87609

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/22/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/22/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/22/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Tetrachloroethene	11	1.0	ug/L	12/22/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/22/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/22/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/22/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/22/10		R/L	SW8260
Trichloroethene	20	1.0	ug/L	12/22/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/22/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	12/22/10		R/L	SW8260
% Bromofluorobenzene	105		%	12/22/10		R/L	SW8260
% Dibromofluoromethane	101		%	12/22/10		R/L	SW8260
% Toluene-d8	94		%	12/22/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

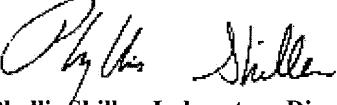
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426.01

### Custody Information

Collected by: PMR  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/14/10 13:00

12/15/10 0:00

SDG ID: GAZ87603

Phoenix ID: AZ87610

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-44D

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.045	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.005	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.004	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.037	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	91.4	1.1	mg/L	12/20/10		LK	6010/200.7
Nickel (Dissolved)	0.009	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.040	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	160	15	mg/L	12/17/10		B/E	300.0
Conductivity	937	5	umhos/cm	12/16/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.09	0.02	mg/L	12/17/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/16/10	0:29	B/E	300.0
Nitrate as Nitrogen	10	0.25	mg/L	12/17/10	0:12	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/20/10		M/G	E420.4
pH	6.90	0.10	pH	12/16/10	5:04	BS/EG	4500-H B/9040
Sulfate	79	3.0	mg/L	12/16/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/27/10		GD	335.4/9010
Tot. Diss. Solids	510	10	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	12/16/10		JL	SM 5310B
Total Suspended Solids	6.0	5.0	mg/L	12/16/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.066	0.010	mg/L	12/17/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-44D

Phoenix I.D.: AZ87610

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/22/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/22/10		R/L	SW8260
Acetone	ND	25	ug/L	12/22/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/22/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/22/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
cis-1,2-Dichloroethene	15	1.0	ug/L	12/22/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/22/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/22/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/22/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/22/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/22/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-44D

Phoenix I.D.: AZ87610

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/22/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/22/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/22/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Tetrachloroethene	6.6	1.0	ug/L	12/22/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/22/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/22/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/22/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/22/10		R/L	SW8260
Trichloroethene	9.9	1.0	ug/L	12/22/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/22/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	100		%	12/22/10		R/L	SW8260
% Bromofluorobenzene	103		%	12/22/10		R/L	SW8260
% Dibromofluoromethane	98		%	12/22/10		R/L	SW8260
% Toluene-d8	92		%	12/22/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

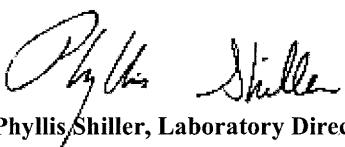
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

### Custody Information

Collected by: PMR  
 Received by: LB  
 Analyzed by: see "By" below

Date 12/14/10 Time 14:00

Date 12/15/10 Time 0:00

SDG ID: GAZ87603

Phoenix ID: AZ87611

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-44B

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.023	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.005	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.020	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.402	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	94.4	1.1	mg/L	12/20/10		LK	6010/200.7
Nickel (Dissolved)	0.028	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.085	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	150	15	mg/L	12/17/10		B/E	300.0
Conductivity	948	5	umhos/cm	12/16/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.07	0.02	mg/L	12/20/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/16/10	0:37	B/E	300.0
Nitrate as Nitrogen	15	0.25	mg/L	12/17/10	0:21	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/20/10		M/G	E420.4
pH	7.02	0.10	pH	12/16/10	5:08	BS/EG	4500-H B/9040
Sulfate	97	15	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/27/10		GD	335.4/9010
Tot. Diss. Solids	510	10	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	1.9	1.0	mg/L	12/16/10		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	12/16/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.047	0.010	mg/L	12/17/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-44B

Phoenix I.D.: AZ87611

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/22/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/22/10		R/L	SW8260
Acetone	ND	25	ug/L	12/22/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/22/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/22/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
cis-1,2-Dichloroethene	18	1.0	ug/L	12/22/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/22/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/22/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/22/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/22/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/22/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-44B

Phoenix I.D.: AZ87611

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/22/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/22/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/22/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Tetrachloroethene	6.6	1.0	ug/L	12/22/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/22/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/22/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/22/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/22/10		R/L	SW8260
Trichloroethene	16	1.0	ug/L	12/22/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/22/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	12/22/10		R/L	SW8260
% Bromofluorobenzene	102		%	12/22/10		R/L	SW8260
% Dibromofluoromethane	97		%	12/22/10		R/L	SW8260
% Toluene-d8	96		%	12/22/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.

  
Phyllis Shiller, Laboratory Director  
January 03, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

January 03, 2011

### QA/QC Data

SDG I.D.: GAZ87603

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 167515, QC Sample No: AZ87370 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607)								
<b>ICP Metals - Dissolved</b>								
Barium	BDL	NC	96.7	98.6	1.9	94.5	91.3	3.4
Cadmium	BDL	NC	102	104	1.9	97.6	94.3	3.4
Chromium	BDL	NC	100	102	2.0	96.3	93.0	3.5
Copper	BDL	1.30	99.5	101	1.5	98.7	95.2	3.6
Iron	BDL	0.70	100	100	0.0	93.8	90.6	3.5
Manganese	BDL	1.80	101	103	2.0	96.5	93.2	3.5
Nickel	BDL	2.40	102	104	1.9	98.0	94.8	3.3
Sodium	BDL	0.50	109	117	7.1	NC	NC	NC
Zinc	BDL	2.10	101	103	2.0	98.5	95.2	3.4
QA/QC Batch 167610, QC Sample No: AZ87963 (AZ87608, AZ87609, AZ87610, AZ87611)								
<b>ICP Metals - Dissolved</b>								
Barium	BDL	0.20	94.7	98.2	3.6	89.3	87.7	1.8
Cadmium	BDL	NC	95.7	99.1	3.5	87.4	85.8	1.8
Chromium	BDL	NC	95.9	99.9	4.1	87.2	85.1	2.4
Copper	BDL	NC	97.2	101	3.8	95.7	94.2	1.6
Iron	BDL	0.70	85.9	114	28.1	104	72.7	35.4
Manganese	BDL	0.20	97.2	101	3.8	69.3	71.3	2.8
Nickel	BDL	NC	95.7	99.0	3.4	84.0	83.1	1.1
Sodium	BDL	2.60	97.3	100	2.7	NC	NC	NC
Zinc	BDL	NC	96.2	99.5	3.4	90.5	88.8	1.9



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## QA/QC Report

January 03, 2011

### QA/QC Data

SDG I.D.: GAZ87603

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 167664, QC Sample No: AZ87387 (AZ87603)								
Tot. Org. Carbon			99.0			98.0		
QA/QC Batch 167597, QC Sample No: AZ87388 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608, AZ87609, AZ87610)								
Ammonia as Nitrogen	0.03		101			101		
QA/QC Batch 167582, QC Sample No: AZ87405 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608)								
Tot. Diss. Solids	BDL	2.00	99.0					
QA/QC Batch 167588, QC Sample No: AZ87407 (AZ87603, AZ87604, AZ87605, AZ87606)								
Total Suspended Solids	BDL	1.00	102					
QA/QC Batch 168121, QC Sample No: AZ87505 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608, AZ87609, AZ87610, AZ87611)								
Total Cyanide	BDL	NC	107			101		
QA/QC Batch 167665, QC Sample No: AZ87606 (AZ87604, AZ87605, AZ87606, AZ87607, AZ87608, AZ87609, AZ87610, AZ87611)								
Total Organic Carbon	BDL	NC	101			108		
QA/QC Batch 167592, QC Sample No: AZ87607 (AZ87607, AZ87608, AZ87609, AZ87610, AZ87611)								
Total Suspended Solids	BDL	0	101					
QA/QC Batch 167639, QC Sample No: AZ87609 (AZ87609, AZ87610, AZ87611)								
Tot. Diss. Solids	BDL	2.00	98.0					
QA/QC Batch 167976, QC Sample No: AZ87610 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608, AZ87609, AZ87610, AZ87611)								
Phenolics	BDL	NC	91.4			97.0		
QA/QC Batch 167675, QC Sample No: AZ87611 (AZ87611)								
Ammonia as Nitrogen	0.04		99.2			106		
QA/QC Batch 167561, QC Sample No: AZ87643 (AZ87609, AZ87610, AZ87611)								
Conductivity	BDL	0.60	104					
QA/QC Batch 167564, QC Sample No: AZ87675 (AZ87603, AZ87604, AZ87606, AZ87607)								
Chloride	BDL	0	95.4			99.9		
QA/QC Batch 167566, QC Sample No: AZ87675 (AZ87603, AZ87604, AZ87606, AZ87607)								
Nitrate as Nitrogen	BDL	NC	97.0			90.0		
QA/QC Batch 167565, QC Sample No: AZ87675 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608, AZ87609, AZ87610, AZ87611)								
Nitrite as Nitrogen	BDL	NC	103			99.2		
QA/QC Batch 167567, QC Sample No: AZ87675 (AZ87603, AZ87604, AZ87606, AZ87607, AZ87610)								
Sulfate	BDL	1.00	99.4			107		
QA/QC Batch 167560, QC Sample No: AZ87710 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608)								
Conductivity	BDL	0.40	104					
QA/QC Batch 167784, QC Sample No: AZ87947 (AZ87605, AZ87608, AZ87609, AZ87610, AZ87611)								
Chloride	BDL	0	94.5			96.9		
QA/QC Batch 167786, QC Sample No: AZ87947 (AZ87605, AZ87608, AZ87609, AZ87610, AZ87611)								
Nitrate as Nitrogen	BDL	0	97.4			90.5		

QA/QC Data

SDG I.D.: GAZ87603

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 167787, QC Sample No: AZ87947 (AZ87605, AZ87608, AZ87609, AZ87611)								
Sulfate		BDL	NC	98.4		94.3		



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## QA/QC Report

January 03, 2011

### QA/QC Data

SDG I.D.: GAZ87603

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 167873, QC Sample No: AZ87603 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608)							
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	105	96	9.0	101	108	6.7
1,1,1-Trichloroethane	ND	134	120	11.0	125	130	3.9
1,1,2,2-Tetrachloroethane	ND	120	120	0.0	111	118	6.1
1,1,2-Trichloroethane	ND	119	113	5.2	109	116	6.2
1,1-Dichloroethane	ND	120	112	6.9	112	119	6.1
1,1-Dichloroethene	ND	128	112	13.3	110	122	10.3
1,1-Dichloropropene	ND	100	84	17.4	97	102	5.0
1,2,3-Trichlorobenzene	ND	109	104	4.7	92	106	14.1
1,2,3-Trichloropropane	ND	122	122	0.0	111	118	6.1
1,2,4-Trichlorobenzene	ND	104	98	5.9	90	101	11.5
1,2,4-Trimethylbenzene	ND	101	92	9.3	94	99	5.2
1,2-Dibromo-3-chloropropane	ND	103	106	2.9	97	106	8.9
1,2-Dichlorobenzene	ND	102	97	5.0	96	102	6.1
1,2-Dichloroethane	ND	129	125	3.1	121	128	5.6
1,2-Dichloropropane	ND	106	100	5.8	99	104	4.9
1,3,5-Trimethylbenzene	ND	98	89	9.6	93	98	5.2
1,3-Dichlorobenzene	ND	99	91	8.4	94	99	5.2
1,3-Dichloropropane	ND	114	110	3.6	106	112	5.5
1,4-Dichlorobenzene	ND	101	94	7.2	95	101	6.1
2,2-Dichloropropane	ND	99	87	12.9	75	77	2.6
2-Chlorotoluene	ND	97	86	12.0	93	97	4.2
2-Hexanone	ND	95	108	12.8	75	112	39.6
2-Isopropyltoluene	ND	95	86	9.9	90	96	6.5
4-Chlorotoluene	ND	97	89	8.6	91	96	5.3
4-Methyl-2-pentanone	ND	99	108	8.7	93	109	15.8
Acetone	ND	118	116	1.7	119	126	5.7
Acrylonitrile	ND	119	125	4.9	115	127	9.9
Benzene	ND	108	97	10.7	102	108	5.7
Bromobenzene	ND	101	95	6.1	95	102	7.1
Bromochloromethane	ND	122	118	3.3	115	117	1.7
Bromodichloromethane	ND	119	110	7.9	109	118	7.9
Bromoform	ND	104	102	1.9	102	109	6.6
Bromomethane	ND	115	107	7.2	86	114	28.0
Carbon Disulfide	ND	114	102	11.1	103	117	12.7
Carbon tetrachloride	ND	117	99	16.7	110	115	4.4
Chlorobenzene	ND	100	89	11.6	95	102	7.1
Chloroethane	ND	128	117	9.0	112	126	11.8
Chloroform	ND	132	124	6.3	123	129	4.8
Chloromethane	ND	112	100	11.3	88	104	16.7
cis-1,2-Dichloroethene	ND	120	112	6.9	112	118	5.2
cis-1,3-Dichloropropene	ND	104	98	5.9	92	98	6.3

QA/QC Data

SDG I.D.: GAZ87603

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Dibromochloromethane	ND	103	98	5.0	99	104	4.9
Dibromoethane	ND	120	115	4.3	111	118	6.1
Dibromomethane	ND	123	118	4.1	117	119	1.7
Dichlorodifluoromethane	ND	>150	136	NC	113	124	9.3
Ethylbenzene	ND	97	83	15.6	91	97	6.4
Hexachlorobutadiene	ND	93	81	13.8	81	90	10.5
Isopropylbenzene	ND	86	75	13.7	88	93	5.5
m&p-Xylene	ND	97	86	12.0	93	98	5.2
Methyl ethyl ketone	ND	102	106	3.8	104	112	7.4
Methyl t-butyl ether (MTBE)	ND	131	127	3.1	129	140	8.2
Methylene chloride	ND	124	120	3.3	111	122	9.4
Naphthalene	ND	105	107	1.9	82	100	19.8
n-Butylbenzene	ND	107	96	10.8	92	99	7.3
n-Propylbenzene	ND	94	84	11.2	88	93	5.5
o-Xylene	ND	98	86	13.0	95	101	6.1
p-Isopropyltoluene	ND	99	88	11.8	90	94	4.3
sec-Butylbenzene	ND	103	92	11.3	94	100	6.2
Styrene	ND	105	95	10.0	103	110	6.6
tert-Butylbenzene	ND	95	85	11.1	90	95	5.4
Tetrachloroethene	ND	89	76	15.8	84	89	5.8
Tetrahydrofuran (THF)	ND	119	117	1.7	106	116	9.0
Toluene	ND	102	90	12.5	95	101	6.1
trans-1,2-Dichloroethene	ND	119	106	11.6	107	115	7.2
trans-1,3-Dichloropropene	ND	112	107	4.6	98	105	6.9
trans-1,4-dichloro-2-butene	ND	79	83	4.9	47	60	24.3
Trichloroethene	ND	97	83	15.6	91	96	5.3
Trichlorofluoromethane	ND	147	127	14.6	125	136	8.4
Trichlorotrifluoroethane	ND	118	101	15.5	106	113	6.4
Vinyl chloride	ND	135	119	12.6	98	113	14.2
% 1,2-dichlorobenzene-d4	104	104	105	1.0	105	101	3.9
% Bromofluorobenzene	115	110	110	0.0	111	110	0.9
% Dibromofluoromethane	114	115	114	0.9	114	111	2.7
% Toluene-d8	92	99	99	0.0	97	98	1.0

**Comment:**

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 167954, QC Sample No: AZ89312 (AZ87609, AZ87610, AZ87611)

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	104	103	1.0	94	99	5.2
1,1,1-Trichloroethane	ND	108	109	0.9	102	100	2.0
1,1,2,2-Tetrachloroethane	ND	104	99	4.9	100	103	3.0
1,1,2-Trichloroethane	ND	106	103	2.9	100	100	0.0
1,1-Dichloroethane	ND	103	105	1.9	106	106	0.0
1,1-Dichloroethene	ND	111	115	3.5	105	106	0.9
1,1-Dichloropropene	ND	101	102	1.0	103	102	1.0
1,2,3-Trichlorobenzene	ND	119	114	4.3	100	111	10.4
1,2,3-Trichloropropane	ND	99	98	1.0	103	106	2.9
1,2,4-Trichlorobenzene	ND	119	116	2.6	102	109	6.6
1,2,4-Trimethylbenzene	ND	108	110	1.8	107	108	0.9
1,2-Dibromo-3-chloropropane	ND	101	103	2.0	95	103	8.1
1,2-Dichlorobenzene	ND	103	104	1.0	97	102	5.0
1,2-Dichloroethane	ND	102	101	1.0	110	111	0.9
1,2-Dichloropropane	ND	104	103	1.0	103	104	1.0

QA/QC Data

SDG I.D.: GAZ87603

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,3,5-Trimethylbenzene	ND	106	108	1.9	106	108	1.9
1,3-Dichlorobenzene	ND	107	107	0.0	102	104	1.9
1,3-Dichloropropane	ND	104	102	1.9	100	103	3.0
1,4-Dichlorobenzene	ND	106	106	0.0	102	105	2.9
2,2-Dichloropropane	ND	105	107	1.9	84	77	8.7
2-Chlorotoluene	ND	103	105	1.9	101	102	1.0
2-Hexanone	ND	102	95	7.1	105	93	12.1
2-Isopropyltoluene	ND	106	108	1.9	106	107	0.9
4-Chlorotoluene	ND	104	110	5.6	103	106	2.9
4-Methyl-2-pentanone	ND	91	81	11.6	96	98	2.1
Acetone	ND	95	95	0.0	108	117	8.0
Acrylonitrile	ND	106	107	0.9	123	117	5.0
Benzene	ND	102	102	0.0	105	106	0.9
Bromobenzene	ND	105	105	0.0	99	102	3.0
Bromoform	ND	105	104	1.0	100	103	3.0
Bromodichloromethane	ND	104	103	1.0	102	103	1.0
Bromoform	ND	107	104	2.8	93	99	6.3
Bromomethane	ND	118	125	5.8	95	110	14.6
Carbon Disulfide	ND	106	108	1.9	105	106	0.9
Carbon tetrachloride	ND	102	103	1.0	99	97	2.0
Chlorobenzene	ND	105	104	1.0	99	102	3.0
Chloroethane	ND	113	116	2.6	110	115	4.4
Chloroform	ND	104	104	0.0	104	104	0.0
Chloromethane	ND	115	116	0.9	104	110	5.6
cis-1,2-Dichloroethene	ND	105	106	0.9	104	105	1.0
cis-1,3-Dichloropropene	ND	105	106	0.9	101	101	0.0
Dibromochloromethane	ND	102	101	1.0	95	99	4.1
Dibromoethane	ND	109	108	0.9	104	107	2.8
Dibromomethane	ND	104	101	2.9	102	102	0.0
Dichlorodifluoromethane	ND	131	134	2.3	96	98	2.1
Ethylbenzene	ND	107	108	0.9	101	102	1.0
Hexachlorobutadiene	ND	107	112	4.6	96	101	5.1
Isopropylbenzene	ND	98	102	4.0	105	104	1.0
m&p-Xylene	ND	106	108	1.9	103	103	0.0
Methyl ethyl ketone	ND	102	95	7.1	108	122	12.2
Methyl t-butyl ether (MTBE)	ND	99	96	3.1	107	111	3.7
Methylene chloride	ND	101	102	1.0	99	101	2.0
Naphthalene	ND	124	123	0.8	101	117	14.7
n-Butylbenzene	ND	115	117	1.7	110	111	0.9
n-Propylbenzene	ND	109	112	2.7	105	105	0.0
o-Xylene	ND	103	105	1.9	101	103	2.0
p-Isopropyltoluene	ND	114	115	0.9	107	107	0.0
sec-Butylbenzene	ND	108	112	3.6	107	106	0.9
Styrene	ND	106	108	1.9	104	107	2.8
tert-Butylbenzene	ND	107	110	2.8	105	106	0.9
Tetrachloroethene	ND	100	102	2.0	92	93	1.1
Tetrahydrofuran (THF)	ND	111	112	0.9	128	126	1.6
Toluene	ND	108	107	0.9	102	103	1.0
trans-1,2-Dichloroethene	ND	109	111	1.8	106	105	0.9
trans-1,3-Dichloropropene	ND	111	109	1.8	104	103	1.0
trans-1,4-dichloro-2-butene	ND	129	127	1.6	69	75	8.3
Trichloroethene	ND	105	107	1.9	102	100	2.0
Trichlorofluoromethane	ND	116	117	0.9	102	100	2.0

QA/QC Data

SDG I.D.: GAZ87603

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Trichlorotrifluoroethane	ND	110	111	0.9	100	96	4.1
Vinyl chloride	ND	127	130	2.3	101	103	2.0
% 1,2-dichlorobenzene-d4	99	99	99	0.0	99	101	2.0
% Bromofluorobenzene	104	97	98	1.0	98	99	1.0
% Dibromofluoromethane	100	103	104	1.0	98	100	2.0
% Toluene-d8	94	102	101	1.0	104	103	1.0

## Comment:

A blank MS/MSD was analyzed with this batch.

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

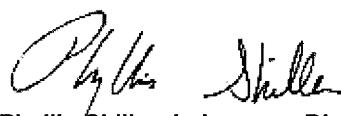
LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Phyllis Shiller, Laboratory Director  
January 03, 2011

Requested Criteria: GWP, SWP

# Sample Criteria Exceedences Report

GAZ87603

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ87603	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ87603	VHB	\$8260GWR	Trichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	9.9	1.0	5	5	ug/L
AZ87603	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ87603	VHB	\$8260GWR	Tetrachloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	5.7	1.0	5	5	ug/L
AZ87603	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.1	0.02	0.003	0.003	mg/L
AZ87604	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ87604	VHB	\$8260GWR	Trichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	10	1.0	5	5	ug/L
AZ87604	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ87604	VHB	\$8260GWR	Tetrachloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	7.4	1.0	5	5	ug/L
AZ87604	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.09	0.02	0.003	0.003	mg/L
AZ87605	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ87605	VHB	\$8260GWR	cis-1,2-Dichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	78	1.0	70	70	ug/L
AZ87605	VHB	\$8260GWR	Trichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	17	1.0	5	5	ug/L
AZ87605	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ87605	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.11	0.02	0.003	0.003	mg/L
AZ87605	VHB	NO3N-IC	Nitrate as Nitrogen	ug/L	CT	Inorganic Substances	GWPC (µg/L)	18	0.25	10	10	mg/L
AZ87606	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ87606	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ87606	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.14	0.02	0.003	0.003	mg/L
AZ87607	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ87607	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ87607	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.16	0.02	0.003	0.003	mg/L
AZ87608	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ87608	VHB	\$8260GWR	Trichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	10	1.0	5	5	ug/L
AZ87608	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ87608	VHB	\$8260GWR	Tetrachloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	13	1.0	5	5	ug/L
AZ87608	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.13	0.02	0.003	0.003	mg/L
AZ87608	VHB	NO3N-IC	Nitrate as Nitrogen	ug/L	CT	Inorganic Substances	GWPC (µg/L)	40	0.50	10	10	mg/L
AZ87609	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ87609	VHB	\$8260GWR	Trichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	20	1.0	5	5	ug/L
AZ87609	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ87609	VHB	\$8260GWR	Tetrachloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	11	1.0	5	5	ug/L
AZ87609	VHB	D-CU	Copper (Dissolved)	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.210	0.001	0.048	0.048	mg/L
AZ87609	VHB	D-ZN	Zinc (Dissolved)	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.225	0.002	0.123	0.123	mg/L
AZ87609	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	GWPC (µg/L)	1.2	0.02	0.5	0.5	mg/L

Requested Criteria: GWP, SWP

# Sample Criteria Exceedences Report

GAZ87603

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored RL Criteria		Analysis Units
										Factored Criteria	RL Criteria	
AZ87609	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	1.2	0.02	0.003	0.003	mg/L
AZ87609	VHB	NO3N-IC	Nitrate as Nitrogen	ug/L	CT	Inorganic Substances	GWPC (µg/L)	17	0.25	10	10	mg/L
AZ87610	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ87610	VHB	\$8260GWR	Trichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	9.9	1.0	5	5	ug/L
AZ87610	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ87610	VHB	\$8260GWR	Tetrachloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	6.6	1.0	5	5	ug/L
AZ87610	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.09	0.02	0.003	0.003	mg/L
AZ87611	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ87611	VHB	\$8260GWR	Trichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	16	1.0	5	5	ug/L
AZ87611	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ87611	VHB	\$8260GWR	Tetrachloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	6.6	1.0	5	5	ug/L
AZ87611	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.07	0.02	0.003	0.003	mg/L
AZ87611	VHB	NO3N-IC	Nitrate as Nitrogen	ug/L	CT	Inorganic Substances	GWPC (µg/L)	15	0.25	10	10	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

**Reasonable Confidence Protocol  
Laboratory Analysis QA/QC Certification Form**

**Laboratory Name:** Phoenix Environmental Labs, Inc.    **Client:** VHB

**Project Location:** ENVIRITE LF/THOMASTON    **Project Number:**

**Laboratory Sample ID(s):** AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608, AZ87609, AZ87610, AZ87611

**Sampling Date(s):** 12/14/2010

**RCP Methods Used:**

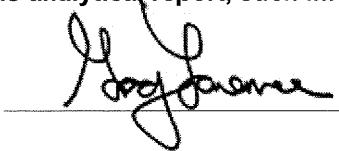
<input type="checkbox"/> 1311/1312	<input checked="" type="checkbox"/> 6010	<input type="checkbox"/> 7000	<input type="checkbox"/> 7196	<input type="checkbox"/> 7470/7471	<input type="checkbox"/> 8081	<input type="checkbox"/> EPH	<input type="checkbox"/> TO15
<input type="checkbox"/> 8082	<input type="checkbox"/> 8151	<input checked="" type="checkbox"/> 8260	<input type="checkbox"/> 8270	<input type="checkbox"/> ETPH	<input checked="" type="checkbox"/> 9010/9012	<input type="checkbox"/> VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Section: VOA Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:



Date: Monday, January 03, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## RCP Certification Report

January 03, 2011

SDG I.D.: GAZ87603

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The client requested a shorter list of elements than the 6010 RCP list.

Volatile 8260 analysis:

The reporting level for Acrylonitrile is above the GWP criteria.

Dibromoethane doesn't meet GWP criteria, this compound is analyzed by GC/ECD method 504 or 8011 when this criteria needs to be met.

### Cyanide Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Lachat 12/29/10-1 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608, AZ87609, AZ87610, AZ87611)

The samples were distilled in accordance with the method.

The initial calibration met criteria.

The calibration check standards (ICV,CCV) were within 15% of true value and were analyzed at a frequency of one per ten samples.  
The continuing calibration blanks (ICB,CCB) had concentrations less than the reporting level.

The method blank, laboratory control sample (LCS), and matrix spike were distilled with the samples.

**Printed Name** Greg Danielewski

**Position:** Chemist

**Date:** 12/29/2010

### QC (Batch Specific)

All LCS recoveries were within 85 - 115 with the following exceptions: None.

### ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Icp7 12/20/10-1 (AZ87608, AZ87609, AZ87610, AZ87611)

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.  
The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

**Printed Name** Emily Kolominskaya

**Position:** Chemist

**Date:** 12/20/2010

**Instrument:** Icp9 12/16/10-1 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607)

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## RCP Certification Report

January 03, 2011

SDG I.D.: GAZ87603

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

**Printed Name** Emily Kolominskaya

**Position:** Chemist

**Date:** 12/16/2010

**Instrument:** Icp9 12/17/10-1 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608,  
AZ87609, AZ87610, AZ87611)

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

**Printed Name** Emily Kolominskaya

**Position:** Chemist

**Date:** 12/17/2010

### QC (Batch Specific)

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: Iron

### VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

**The LCS and/or LCSD recovery for several compounds is above the upper range. No significant bias is suspected.**

**Instrument:** Chem02 12/20/10-2 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608)

P-Side

Initial Calibration (RPP\_1105):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane, Naphthalene

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.

The following compounds had % Deviations >30%: Tetrahydrofuran (THF), Methyl t-Butyl Ether (MTBE), trans-1,4-Dichloro-2-butene

**Printed Name** Lynne Matteson

**Position:** Chemist

**Date:** 12/20/2010



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## RCP Certification Report

January 03, 2011

SDG I.D.: GAZ87603

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**Instrument:** Chem02 12/21/10-1 (AZ87609, AZ87610, AZ87611)

P-Side

Initial Calibration (RPP\_1221):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Vinyl Chloride, Tetrahydrofuran (thf), 2-hexanone, Trans-1,4-dichloro-2-butene, Naphthalene

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.

The following compounds had % Deviations >30%: Tetrahydrofuran (THF)

**Printed Name** Lynne Matteson

**Position:** Chemist

**Date:** 12/21/2010

**Instrument:** Chem08 12/16/10-2 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608, AZ87609, AZ87610, AZ87611)

R -Side

Initial Calibration(RCPR\_0923):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: None

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.

The following compounds had % Deviations >30%: None

S -Side

Initial Calibration(RCPS\_1130):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Methylene Chloride

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.

The following compounds had % Deviations >30%: None.

**Printed Name** Lynne Matteson

**Position:** Chemist

**Date:** 12/16/2010

**QC Comments:** QC Batch 67873 12/21/10 (AZ87603, AZ87604, AZ87605, AZ87606, AZ87607, AZ87608)

A blank MS/MSD was analyzed with this batch.

**QC Comments:** QC Batch 67954 12/22/10 (AZ87609, AZ87610, AZ87611)



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## RCP Certification Report

January 03, 2011

SDG I.D.: GAZ87603

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A blank MS/MSD was analyzed with this batch.

**QC (Site Specific)**

----- Sample No: AZ87603 -----

All LCS recoveries were within 70 - 130 with the following exceptions: 1,1,1-Trichloroethane, Chloroform, Dichlorodifluoromethane, Methyl t-butyl ether (MTBE), Trichlorofluoromethane, Vinyl chloride

All LCSD recoveries were within 70 - 130 with the following exceptions: Dichlorodifluoromethane

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

All MS recoveries were within 70 - 130 with the following exceptions: trans-1,4-dichloro-2-butene

All MSD recoveries were within 70 - 130 with the following exceptions: Methyl t-butyl ether (MTBE), trans-1,4-dichloro-2-butene, Trichlorofluoromethane

All MS/MSD RPDs were less than 20% with the following exceptions: 2-Hexanone, Bromomethane, trans-1,4-dichloro-2-butene

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

**QC (Batch Specific)**

All LCS recoveries were within 70 - 130 with the following exceptions: Dichlorodifluoromethane

All LCSD recoveries were within 70 - 130 with the following exceptions: Dichlorodifluoromethane

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.





## **CHAIN OF CUSTODY RECORD**

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: [service@phoenixlabs.com](mailto:service@phoenixlabs.com) Fax (860) 645-0823

**Client Services (860) 645-8726**

Temp Pg 2 of 2

<b>Data Delivery (check one):</b>
<input type="checkbox"/> Fax #:
<input checked="" type="checkbox"/> Email:
Format: <input checked="" type="checkbox"/> Excel <input checked="" type="checkbox"/> Pdf <input type="checkbox"/> Gis Key

Customer: VHB, Inc.

Project: Envirite Landfill - Thomaston CT

## Project P.O:

Address: 54 Tutle Place

Phone #: \_\_\_\_\_

Middletown, CT

VHB-ENV

Fax #: \_\_\_\_\_

## **Client Sample - Information - Identification**

Sampler's Signature PnR 12/14/10 Date

## Analysis Request

Analysis Request	Dissolved Ba, Cd, Cr, Cu, Fe, Mn, Na	Dissolved Ni, Zn	Total Cyanide	Chloride, NO2, NO3, pH, SO4	Conductivity, TDS, TSS	VOC by 8260	NH3, TOX, Phenols, TOC	Soil VOA Vials / 1 methanol / 1 Sod Bisulfate	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial / 1 As is 1 HCl	GL Amber 1000ml / 1 As is 1 HCl	PL As is 1 X 250ml / 1 500ml / 1 X 250ml	GL H2SO4 / X 250ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
X X X X X X X								2 1 1/1 1					1		7		
X X X X X X X								2 1 1/1 1					1				
X X X X X X X								2 1 1/1 1					1				
	X							2									
X X X X X X X								2 1 1/1 1					1				
X X X X X X X								2 1 1/1 1					1				

Published by:

Accepted by:

Data:

Times

#### **Turnaround:**

- |          |                                     |               |
|----------|-------------------------------------|---------------|
| 1 Day*   | <input type="checkbox"/>            | Res. Criteria |
| 2 Days*  | <input checked="" type="checkbox"/> | GW Protection |
| 3 Days*  | <input type="checkbox"/>            | GA Mobility   |
| Standard | <input type="checkbox"/>            | GB Mobility   |
| Other    | <input checked="" type="checkbox"/> | SW Protection |
|          |                                     | Res. Vol.     |
|          | <input type="checkbox"/>            | Ind. Vol.     |

\* Surcharge Applies

**Comments, Special Requirements or Regulations:**

**Requirements for MA**

- GW-1
- GW-2
- GW-3
- S-1
- S-2
- S-3
- MCP Certification
- Other



Thursday, December 30, 2010

**Attn: Mr. Rob McCarthy  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847**

**Project ID: ENVIRITE LF/THOMASTON**

**Sample ID#s: AZ88123 - AZ88131**

**This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.**

**This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.**

**A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.**

**If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.**

**Sincerely yours,**

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

**Phyllis Shiller**

**Laboratory Director**

**NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301**



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Rob McCarthy  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

### Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/15/10 10:00

12/16/10 0:00

Time

SDG ID: GAZ88123

Phoenix ID: AZ88123

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-30

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.013	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.005	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.016	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	1.82	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	225	1.1	mg/L	12/20/10		LK	6010/200.7
Nickel (Dissolved)	0.026	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.010	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	420	75	mg/L	12/17/10		B/E	300.0
Conductivity	3150	5	umhos/cm	12/17/10		BS/EG	SM2510B
Ammonia as Nitrogen	6.5	0.02	mg/L	12/21/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/17/10	5:56	B/E	300.0
Nitrate as Nitrogen	89	1.3	mg/L	12/17/10	23:21	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/23/10		M/G	E420.4
pH	6.96	0.10	pH	12/17/10	4:58	BS/EG	4500-H B/9040
Sulfate	610	75	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/28/10		GD	335.4/9010
Tot. Diss. Solids	2100	50	mg/L	12/17/10		CL	SM2540C
Total Organic Carbon	3.2	1.0	mg/L	12/21/10		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	12/17/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.360	0.010	mg/L	12/29/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/L	12/21/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-30

Phoenix I.D.: AZ88123

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L	12/21/10		R/L	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,1-Dichloroethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,1-Dichloroethene	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,1-Dichloropropene	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,2-Dichloroethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,2-Dichloropropane	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,3-Dichloropropane	ND	5.0	ug/L	12/21/10		R/L	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
2,2-Dichloropropane	ND	5.0	ug/L	12/21/10		R/L	SW8260
2-Chlorotoluene	ND	5.0	ug/L	12/21/10		R/L	SW8260
2-Hexanone	ND	25	ug/L	12/21/10		R/L	SW8260
2-Isopropyltoluene	ND	5.0	ug/L	12/21/10		R/L	SW8260
4-Chlorotoluene	ND	5.0	ug/L	12/21/10		R/L	SW8260
4-Methyl-2-pentanone	ND	25	ug/L	12/21/10		R/L	SW8260
Acetone	ND	130	ug/L	12/21/10		R/L	SW8260
Acrylonitrile	ND	25	ug/L	12/21/10		R/L	SW8260
Benzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
Bromobenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
Bromochloromethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
Bromodichloromethane	ND	2.5	ug/L	12/21/10		R/L	SW8260
Bromoform	ND	5.0	ug/L	12/21/10		R/L	SW8260
Bromomethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
Carbon Disulfide	ND	25	ug/L	12/21/10		R/L	SW8260
Carbon tetrachloride	ND	5.0	ug/L	12/21/10		R/L	SW8260
Chlorobenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
Chloroethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
Chloroform	ND	5.0	ug/L	12/21/10		R/L	SW8260
Chloromethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
cis-1,2-Dichloroethene	440	20.0	ug/L	12/21/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	2.5	ug/L	12/21/10		R/L	SW8260
Dibromochloromethane	ND	2.5	ug/L	12/21/10		R/L	SW8260
Dibromoethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
Dibromomethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
Dichlorodifluoromethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
Ethylbenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
Hexachlorobutadiene	ND	2.0	ug/L	12/21/10		R/L	SW8260
Isopropylbenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
m&p-Xylene	ND	5.0	ug/L	12/21/10		R/L	SW8260
Methyl ethyl ketone	ND	25	ug/L	12/21/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	5.0	ug/L	12/21/10		R/L	SW8260
Methylene chloride	ND	5.0	ug/L	12/21/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-30

Phoenix I.D.: AZ88123

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	12/21/10		R/L	SW8260
n-Butylbenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
n-Propylbenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
o-Xylene	ND	5.0	ug/L	12/21/10		R/L	SW8260
p-Isopropyltoluene	ND	5.0	ug/L	12/21/10		R/L	SW8260
sec-Butylbenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
Styrene	ND	5.0	ug/L	12/21/10		R/L	SW8260
tert-Butylbenzene	ND	5.0	ug/L	12/21/10		R/L	SW8260
Tetrachloroethene	97	5.0	ug/L	12/21/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	25	ug/L	12/21/10		R/L	SW8260
Toluene	ND	5.0	ug/L	12/21/10		R/L	SW8260
Total Xylenes	ND	5.0	ug/L	12/21/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/L	12/21/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	2.5	ug/L	12/21/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	25	ug/L	12/21/10		R/L	SW8260
Trichloroethene	150	20.0	ug/L	12/21/10		R/L	SW8260
Trichlorofluoromethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/L	12/21/10		R/L	SW8260
Vinyl chloride	ND	5.0	ug/L	12/21/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	109		%	12/21/10		R/L	SW8260
% Bromofluorobenzene	85		%	12/21/10		R/L	SW8260
% Dibromofluoromethane	98		%	12/21/10		R/L	SW8260
% Toluene-d8	80		%	12/21/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

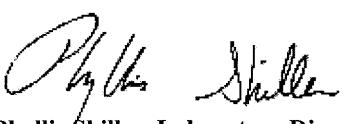
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 30, 2010

FOR: Attn: Mr. Rob McCarthy  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

### Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date 12/15/10 Time 13:30

Date 12/16/10 Time 0:00

SDG ID: GAZ88123

Phoenix ID: AZ88124

## Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-31S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.074	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	0.020	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	0.036	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.015	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	73.3	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	5.76	0.011	mg/L	12/20/10		LK	6010/200.7
Sodium (Dissolved)	60.5	1.1	mg/L	12/20/10		LK	6010/200.7
Nickel (Dissolved)	0.034	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.542	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	190	15	mg/L	12/17/10		B/E	300.0
Conductivity	1220	5	umhos/cm	12/17/10		BS/EG	SM2510B
Ammonia as Nitrogen	28	0.4	mg/L	12/21/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/17/10	6:05	B/E	300.0
Nitrate as Nitrogen	0.17	0.05	mg/L	12/17/10	6:05	B/E	300.0/9056
Phenolics	1.05	0.375	mg/L	12/23/10		M/G	E420.4
pH	6.27	0.10	pH	12/17/10	5:01	BS/EG	4500-H B/9040
Sulfate	18	3.0	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/28/10		GD	335.4/9010
Tot. Diss. Solids	780	14	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	240	10	mg/L	12/22/10		JL	SM 5310B
Total Suspended Solids	95	7.1	mg/L	12/17/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	1.95	0.010	ug/L	12/29/10	*	SW9020	1
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
1,1,1-Trichloroethane	ND	50	ug/L	12/18/10		R/L	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	25	ug/L	12/18/10		R/L	SW8260
1,1,2-Trichloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
1,1-Dichloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
1,1-Dichloroethene	ND	50	ug/L	12/18/10		R/L	SW8260
1,1-Dichloropropene	ND	50	ug/L	12/18/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
1,2,3-Trichloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
1,2,4-Trimethylbenzene	560	50	ug/L	12/18/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
1,2-Dichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
1,2-Dichloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
1,2-Dichloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
1,3,5-Trimethylbenzene	180	50	ug/L	12/18/10		R/L	SW8260
1,3-Dichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
1,3-Dichloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
1,4-Dichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
2,2-Dichloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
2-Chlorotoluene	ND	50	ug/L	12/18/10		R/L	SW8260
2-Hexanone	1000	250	ug/L	12/18/10		R/L	SW8260
2-Isopropyltoluene	ND	50	ug/L	12/18/10		R/L	SW8260
4-Chlorotoluene	ND	50	ug/L	12/18/10		R/L	SW8260
4-Methyl-2-pentanone	17000	2500	ug/L	12/18/10		R/L	SW8260
Acetone	ND	1300	ug/L	12/18/10		R/L	SW8260
Acrylonitrile	ND	250	ug/L	12/18/10		R/L	SW8260
Benzene	190	50	ug/L	12/18/10		R/L	SW8260
Bromobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
Bromochloromethane	ND	50	ug/L	12/18/10		R/L	SW8260
Bromodichloromethane	ND	25	ug/L	12/18/10		R/L	SW8260
Bromoform	ND	50	ug/L	12/18/10		R/L	SW8260
Bromomethane	ND	50	ug/L	12/18/10		R/L	SW8260
Carbon Disulfide	ND	250	ug/L	12/18/10		R/L	SW8260
Carbon tetrachloride	ND	50	ug/L	12/18/10		R/L	SW8260
Chlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
Chloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
Chloroform	ND	50	ug/L	12/18/10		R/L	SW8260
Chloromethane	ND	50	ug/L	12/18/10		R/L	SW8260
cis-1,2-Dichloroethene	4000	500	ug/L	12/18/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	25	ug/L	12/18/10		R/L	SW8260
Dibromochloromethane	ND	25	ug/L	12/18/10		R/L	SW8260
Dibromoethane	ND	50	ug/L	12/18/10		R/L	SW8260
Dibromomethane	ND	50	ug/L	12/18/10		R/L	SW8260
Dichlorodifluoromethane	ND	50	ug/L	12/18/10		R/L	SW8260
Ethylbenzene	4000	500	ug/L	12/18/10		R/L	SW8260
Hexachlorobutadiene	ND	20	ug/L	12/18/10		R/L	SW8260
Isopropylbenzene	190	50	ug/L	12/18/10		R/L	SW8260
m&p-Xylene	510000	500	ug/L	12/18/10		R/L	SW8260
Methyl ethyl ketone	2400	2500	ug/L	12/18/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	50	ug/L	12/18/10		R/L	SW8260
Methylene chloride	ND	50	ug/L	12/18/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-31S

Phoenix I.D.: AZ88124

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	140	50	ug/L	12/18/10		R/L	SW8260
n-Butylbenzene	ND	50	ug/L	12/18/10		R/L	SW8260
n-Propylbenzene	84	50	ug/L	12/18/10		R/L	SW8260
o-Xylene	4200	500	ug/L	12/18/10		R/L	SW8260
p-Isopropyltoluene	ND	50	ug/L	12/18/10		R/L	SW8260
sec-Butylbenzene	420	50	ug/L	12/18/10		R/L	SW8260
Styrene	98	50	ug/L	12/18/10		R/L	SW8260
tert-Butylbenzene	76	50	ug/L	12/18/10		R/L	SW8260
Tetrachloroethene	ND	50	ug/L	12/18/10		R/L	SW8260
Tetrahydrofuran (THF)	460	250	ug/L	12/18/10		R/L	SW8260
Toluene	14000	500	ug/L	12/18/10		R/L	SW8260
Total Xylenes	12500	50	ug/L	12/18/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	50	ug/L	12/18/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	25	ug/L	12/18/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	250	ug/L	12/18/10		R/L	SW8260
Trichloroethene	ND	50	ug/L	12/18/10		R/L	SW8260
Trichlorofluoromethane	ND	50	ug/L	12/18/10		R/L	SW8260
Trichlorotrifluoroethane	ND	50	ug/L	12/18/10		R/L	SW8260
Vinyl chloride	1100	50	ug/L	12/18/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104		%	12/18/10		R/L	SW8260
% Bromofluorobenzene	103		%	12/18/10		R/L	SW8260
% Dibromofluoromethane	100		%	12/18/10		R/L	SW8260
% Toluene-d8	84		%	12/18/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Rob McCarthy  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

### Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/15/10 9:00

12/16/10 0:00

Time

SDG ID: GAZ88123

Phoenix ID: AZ88125

## Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-33

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.011	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.034	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.002	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	3.88	0.11	mg/L	12/17/10		EK	6010/200.7
Nickel (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.003	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	24	3.0	mg/L	12/17/10		B/E	300.0
Conductivity	238	5	umhos/cm	12/17/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.08	0.02	mg/L	12/21/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/17/10	6:14	B/E	300.0
Nitrate as Nitrogen	3.4	0.05	mg/L	12/17/10	6:14	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/23/10		M/G	E420.4
pH	6.79	0.10	pH	12/17/10	5:04	BS/EG	4500-H B/9040
Sulfate	25	3.0	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/28/10		GD	335.4/9010
Tot. Diss. Solids	140	10	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	2.5	1.0	mg/L	12/22/10		JL	SM 5310B
Total Suspended Solids	36	5.0	mg/L	12/17/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.017	0.010	mg/L	12/29/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-33

Phoenix I.D.: AZ88125

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Acetone	ND	25	ug/L	12/20/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/20/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/20/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/20/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-33

Phoenix I.D.: AZ88125

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/20/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/20/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/20/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	12/20/10		R/L	SW8260
% Bromofluorobenzene	97		%	12/20/10		R/L	SW8260
% Dibromofluoromethane	90		%	12/20/10		R/L	SW8260
% Toluene-d8	97		%	12/20/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

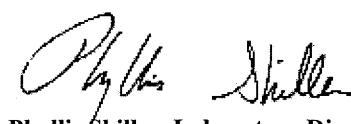
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 30, 2010

FOR: Attn: Mr. Rob McCarthy  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426.01

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date 12/15/10 Time 14:00

12/16/10 0:00

SDG ID: GAZ88123

Phoenix ID: AZ88126

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-36

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.046	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.006	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	43.5	0.11	mg/L	12/17/10		EK	6010/200.7
Nickel (Dissolved)	0.002	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.044	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	72	3.0	mg/L	12/17/10		B/E	300.0
Conductivity	366	5	umhos/cm	12/17/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.09	0.02	mg/L	12/21/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/17/10	6:22	B/E	300.0
Nitrate as Nitrogen	0.32	0.05	mg/L	12/17/10	6:22	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/23/10		M/G	E420.4
pH	6.54	0.10	pH	12/17/10	5:07	BS/EG	4500-H B/9040
Sulfate	36	3.0	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/28/10		GD	335.4/9010
Tot. Diss. Solids	200	10	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	6.3	1.0	mg/L	12/21/10		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	12/17/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.021	0.010	ug/L	12/29/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Acetone	ND	25	ug/L	12/20/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/20/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/20/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/20/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-36

Phoenix I.D.: AZ88126

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/20/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/20/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/20/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	103		%	12/20/10		R/L	SW8260
% Bromofluorobenzene	95		%	12/20/10		R/L	SW8260
% Dibromofluoromethane	92		%	12/20/10		R/L	SW8260
% Toluene-d8	95		%	12/20/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

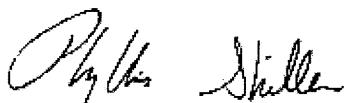
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Rob McCarthy  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

### Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date 12/15/10 Time 12:45

Date 12/16/10 Time 0:00

SDG ID: GAZ88123

Phoenix ID: AZ88127

### Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: FIELD BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	< 0.002	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.003	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	< 0.11	0.11	mg/L	12/21/10		EK	6010/200.7
Nickel (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.004	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	< 3.0	3.0	mg/L	12/17/10		B/E	300.0
Conductivity	< 5	5	umhos/cm	12/17/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.06	0.02	mg/L	12/21/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/17/10	7:14	B/E	300.0
Nitrate as Nitrogen	< 0.05	0.05	mg/L	12/17/10	7:14	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/23/10		M/G	E420.4
pH	5.49	0.10	pH	12/17/10	5:25	BS/EG	4500-H B/9040
Sulfate	< 3.0	3.0	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/28/10		GD	335.4/9010
Tot. Diss. Solids	< 10	10	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	12/21/10		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	12/17/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.016	0.010	mg/L	12/29/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: FIELD BLANK

Phoenix I.D.: AZ88127

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Acetone	ND	25	ug/L	12/20/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/20/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/20/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/20/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: FIELD BLANK

Phoenix I.D.: AZ88127

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/20/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/20/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/20/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	102		%	12/20/10		R/L	SW8260
% Bromofluorobenzene	94		%	12/20/10		R/L	SW8260
% Dibromofluoromethane	93		%	12/20/10		R/L	SW8260
% Toluene-d8	93		%	12/20/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

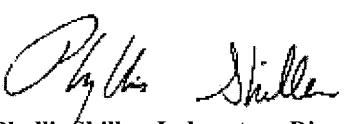
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102

Fax (860) 645-0823

## Analysis Report

December 30, 2010

FOR: Attn: Mr. Rob McCarthy  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426.01

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date 12/15/10 Time 13:00

12/16/10 0:00

SDG ID: GAZ88123

Phoenix ID: AZ88128

## Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: EQUIPMENT BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	< 0.002	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.003	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	< 0.11	0.11	mg/L	12/21/10		EK	6010/200.7
Nickel (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.004	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	< 3.0	3.0	mg/L	12/17/10		B/E	300.0
Conductivity	< 5	5	umhos/cm	12/17/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.11	0.02	mg/L	12/21/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/17/10	7:23	B/E	300.0
Nitrate as Nitrogen	< 0.05	0.05	mg/L	12/17/10	7:23	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/23/10		M/G	E420.4
pH	5.46	0.10	pH	12/17/10	5:34	BS/EG	4500-H B/9040
Sulfate	< 3.0	3.0	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/28/10		GD	335.4/9010
Tot. Diss. Solids	< 10	10	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	12/21/10		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	12/17/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	ug/L	12/29/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: EQUIPMENT BLANK

Phoenix I.D.: AZ88128

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Acetone	ND	25	ug/L	12/20/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/20/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/20/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/20/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: EQUIPMENT BLANK

Phoenix I.D.: AZ88128

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/20/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/20/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/20/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	106		%	12/20/10		R/L	SW8260
% Bromofluorobenzene	95		%	12/20/10		R/L	SW8260
% Dibromofluoromethane	94		%	12/20/10		R/L	SW8260
% Toluene-d8	92		%	12/20/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

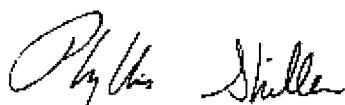
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Rob McCarthy  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426.01

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date

12/15/10 12:30

12/16/10 0:00

Time

SDG ID: GAZ88123

Phoenix ID: AZ88129

## Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/18/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/18/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/18/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/18/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/18/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/18/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/18/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/18/10		R/L	SW8260
Acetone	ND	25	ug/L	12/18/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: TRIP BLANK

Phoenix I.D.: AZ88129

Parameter	Result	RL	Units	Date	Time	By	Reference
Acrylonitrile	ND	5.0	ug/L	12/18/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/18/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/18/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/18/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/18/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/18/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/18/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/18/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/18/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/18/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/18/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/18/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/18/10		R/L	SW8260
Naphthalene	ND	1.0	ug/L	12/18/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/18/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/18/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/18/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/18/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/18/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/18/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/18/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/18/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/18/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/18/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/18/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	108		%	12/18/10		R/L	SW8260
% Bromofluorobenzene	91		%	12/18/10		R/L	SW8260
% Dibromofluoromethane	98		%	12/18/10		R/L	SW8260
% Toluene-d8	85		%	12/18/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: TRIP BLANK

Phoenix I.D.: AZ88129

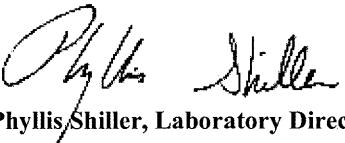
Parameter	Result	RL	Units	Date	Time	By	Reference
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**Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Rob McCarthy  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

### Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date 12/15/10 Time 12:00

Date 12/16/10 Time 0:00

### Laboratory Data

SDG ID: GAZ88123

Phoenix ID: AZ88130

Project ID: ENVIRITE LF/THOMASTON

Client ID: SW UP STREAM

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.010	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.120	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.049	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	10.3	0.11	mg/L	12/17/10		EK	6010/200.7
Nickel (Dissolved)	0.002	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.007	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	16	3.0	mg/L	12/17/10		B/E	300.0
Conductivity	112	5	umhos/cm	12/17/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.13	0.02	mg/L	12/21/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/17/10	7:31	B/E	300.0
Nitrate as Nitrogen	0.12	0.05	mg/L	12/17/10	7:31	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/23/10		M/G	E420.4
pH	6.80	0.10	pH	12/17/10	5:37	BS/EG	4500-H B/9040
Sulfate	8.3	3.0	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/28/10		GD	335.4/9010
Tot. Diss. Solids	64	10	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	3.2	1.0	mg/L	12/21/10		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	12/17/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.013	0.010	ug/L	12/29/10		*	SW9020
<b>Volatiles</b>							1
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Acetone	ND	25	ug/L	12/20/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/20/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/20/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/20/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: SW UP STREAM

Phoenix I.D.: AZ88130

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/20/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/20/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/20/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104		%	12/20/10		R/L	SW8260
% Bromofluorobenzene	93		%	12/20/10		R/L	SW8260
% Dibromofluoromethane	96		%	12/20/10		R/L	SW8260
% Toluene-d8	90		%	12/20/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

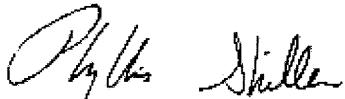
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 03, 2011



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 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

December 30, 2010

FOR: Attn: Mr. Rob McCarthy  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

Sample Information  
 Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426.01

Custody Information  
 Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date      Time  
 12/15/10    10:00  
 12/16/10    0:00  
 SDG ID: GAZ88123  
 Phoenix ID: AZ88131

## Laboratory Data

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: SW DOWN STREAM

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.010	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	0.144	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	0.061	0.001	mg/L	12/17/10		EK	6010/200.7
Sodium (Dissolved)	9.55	0.11	mg/L	12/17/10		EK	6010/200.7
Nickel (Dissolved)	0.001	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.009	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	15	3.0	mg/L	12/17/10		B/E	300.0
Conductivity	107	5	umhos/cm	12/17/10		BS/EG	SM2510B
Ammonia as Nitrogen	0.1	0.02	mg/L	12/21/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/17/10	7:40	B/E	300.0
Nitrate as Nitrogen	0.13	0.05	mg/L	12/17/10	7:40	B/E	300.0/9056
Phenolics	< 0.015	0.015	mg/L	12/23/10		M/G	E420.4
pH	6.90	0.10	pH	12/17/10	5:40	BS/EG	4500-H B/9040
Sulfate	8.5	3.0	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/28/10		GD	335.4/9010
Tot. Diss. Solids	63	10	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	3.2	1.0	mg/L	12/21/10		JL	SM 5310B
Total Suspended Solids	8.5	5.0	mg/L	12/17/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	0.017	0.010	ug/L	12/29/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Acetone	ND	25	ug/L	12/20/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/20/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/20/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/20/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/20/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/20/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/20/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/20/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: SW DOWN STREAM

Phoenix I.D.: AZ88131

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/20/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/20/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/20/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/20/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/20/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/20/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/20/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	103		%	12/20/10		R/L	SW8260
% Bromofluorobenzene	91		%	12/20/10		R/L	SW8260
% Dibromofluoromethane	95		%	12/20/10		R/L	SW8260
% Toluene-d8	85		%	12/20/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.

  
Phyllis Shiller, Laboratory Director  
January 03, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

January 03, 2011

### QA/QC Data

SDG I.D.: GAZ88123

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 167610, QC Sample No: AZ87963 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)								
<b>ICP Metals - Dissolved</b>								
Barium	BDL	0.20	94.7	98.2	3.6	89.3	87.7	1.8
Cadmium	BDL	NC	95.7	99.1	3.5	87.4	85.8	1.8
Chromium	BDL	NC	95.9	99.9	4.1	87.2	85.1	2.4
Copper	BDL	NC	97.2	101	3.8	95.7	94.2	1.6
Iron	BDL	0.70	85.9	114	28.1	104	72.7	35.4
Manganese	BDL	0.20	97.2	101	3.8	69.3	71.3	2.8
Nickel	BDL	NC	95.7	99.0	3.4	84.0	83.1	1.1
Sodium	BDL	2.60	97.3	100	2.7	NC	NC	NC
Zinc	BDL	NC	96.2	99.5	3.4	90.5	88.8	1.9



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## QA/QC Report

January 03, 2011

### QA/QC Data

SDG I.D.: GAZ88123

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 168157, QC Sample No: AZ87510 (AZ88125)								
Total Cyanide	BDL	NC	106			92.7		
QA/QC Batch 167639, QC Sample No: AZ87609 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)								
Tot. Diss. Solids	BDL	2.00	98.0					
QA/QC Batch 167640, QC Sample No: AZ87729 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)								
Total Suspended Solids	BDL	NC	102					
QA/QC Batch 167661, QC Sample No: AZ88081 (AZ88123, AZ88124, AZ88125, AZ88126)								
Conductivity	BDL	1.00	104					
QA/QC Batch 167789, QC Sample No: AZ88115 (AZ88125, AZ88126)								
Chloride	BDL	NC	94.0			95.7		
QA/QC Batch 167791, QC Sample No: AZ88115 (AZ88124, AZ88125, AZ88126)								
Nitrate as Nitrogen	BDL	NC	101			91.8		
QA/QC Batch 167790, QC Sample No: AZ88115 (AZ88123, AZ88124, AZ88125, AZ88126)								
Nitrite as Nitrogen	BDL	NC	105			94.7		
QA/QC Batch 167792, QC Sample No: AZ88115 (AZ88124, AZ88125, AZ88126)								
Sulfate	BDL	NC	96.2			94.8		
QA/QC Batch 168246, QC Sample No: AZ88123 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)								
Phenolics	BDL	NC	92.8			89.0		
QA/QC Batch 167930, QC Sample No: AZ88125 (AZ88123, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)								
Total Organic Carbon	BDL		99.0					
QA/QC Batch 168161, QC Sample No: AZ88131 (AZ88123, AZ88124, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)								
Total Cyanide	BDL	NC	104			101		
QA/QC Batch 167662, QC Sample No: AZ88352 (AZ88127, AZ88128, AZ88130, AZ88131)								
Conductivity	BDL	0	104					
QA/QC Batch 167795, QC Sample No: AZ88352 (AZ88127, AZ88128, AZ88130, AZ88131)								
Nitrate as Nitrogen	BDL	NC	99.4			86.9		
QA/QC Batch 167794, QC Sample No: AZ88352 (AZ88127, AZ88128, AZ88130, AZ88131)								
Nitrite as Nitrogen	BDL	NC	103			> 140		
QA/QC Batch 167796, QC Sample No: AZ88352 (AZ88127, AZ88128, AZ88130, AZ88131)								
Sulfate	BDL	0	96.4			104		
QA/QC Batch 167804, QC Sample No: AZ88473 (AZ88123, AZ88124)								
Chloride	BDL	NC	95.2			99.5		
QA/QC Batch 167806, QC Sample No: AZ88473 (AZ88123)								
Nitrate as Nitrogen	BDL	NC	97.2			89.7		
QA/QC Batch 167807, QC Sample No: AZ88473 (AZ88123)								
Sulfate	BDL	NC	98.2			101		
QA/QC Batch 167716, QC Sample No: AZ88546 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)								
Ammonia as Nitrogen	0.03		100			105		

QA/QC Data

SDG I.D.: GAZ88123

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 167716, QC Sample No: AZ88546 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)								
Nitrogen Tot Kjeldahl		0.10		104		85.5		



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## QA/QC Report

January 03, 2011

### QA/QC Data

SDG I.D.: GAZ88123

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 167768, QC Sample No: AZ87975 (AZ88129)							
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	107	106	0.9	105	102	2.9
1,1,1-Trichloroethane	ND	103	103	0.0	111	103	7.5
1,1,2,2-Tetrachloroethane	ND	108	106	1.9	98	98	0.0
1,1,2-Trichloroethane	ND	108	107	0.9	88	89	1.1
1,1-Dichloroethane	ND	103	103	0.0	115	108	6.3
1,1-Dichloroethene	ND	107	108	0.9	111	106	4.6
1,1-Dichloropropene	ND	101	98	3.0	106	107	0.9
1,2,3-Trichlorobenzene	ND	143	142	0.7	140	141	0.7
1,2,3-Trichloropropane	ND	105	104	1.0	98	100	2.0
1,2,4-Trichlorobenzene	ND	124	122	1.6	120	123	2.5
1,2,4-Trimethylbenzene	ND	103	102	1.0	99	98	1.0
1,2-Dibromo-3-chloropropane	ND	105	109	3.7	96	101	5.1
1,2-Dichlorobenzene	ND	103	103	0.0	100	99	1.0
1,2-Dichloroethane	ND	108	107	0.9	108	106	1.9
1,2-Dichloropropane	ND	101	87	14.9	87	83	4.7
1,3,5-Trimethylbenzene	ND	102	101	1.0	96	96	0.0
1,3-Dichlorobenzene	ND	101	99	2.0	95	95	0.0
1,3-Dichloropropane	ND	104	103	1.0	95	96	1.0
1,4-Dichlorobenzene	ND	99	99	0.0	96	95	1.0
2,2-Dichloropropane	ND	65	65	0.0	45	47	4.3
2-Chlorotoluene	ND	101	100	1.0	94	95	1.1
2-Hexanone	ND	97	93	4.2	90	93	3.3
2-Isopropyltoluene	ND	99	99	0.0	102	100	2.0
4-Chlorotoluene	ND	99	98	1.0	94	94	0.0
4-Methyl-2-pentanone	ND	103	101	2.0	95	95	0.0
Acetone	ND	99	99	0.0	118	114	3.4
Acrylonitrile	ND	98	95	3.1	102	97	5.0
Benzene	ND	106	106	0.0	111	108	2.7
Bromobenzene	ND	100	99	1.0	90	91	1.1
Bromochloromethane	ND	108	107	0.9	109	104	4.7
Bromodichloromethane	ND	105	102	2.9	89	87	2.3
Bromoform	ND	112	111	0.9	107	104	2.8
Bromomethane	ND	97	102	5.0	76	82	7.6
Carbon Disulfide	ND	107	108	0.9	110	103	6.6
Carbon tetrachloride	ND	103	103	0.0	108	107	0.9
Chlorobenzene	ND	105	103	1.9	103	101	2.0
Chloroethane	ND	118	114	3.4	119	112	6.1
Chloroform	ND	104	104	0.0	114	107	6.3
Chloromethane	ND	103	104	1.0	81	84	3.6
cis-1,2-Dichloroethene	ND	104	107	2.8	110	107	2.8
cis-1,3-Dichloropropene	ND	98	95	3.1	72	75	4.1

QA/QC Data

SDG I.D.: GAZ88123

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Dibromochloromethane	ND	105	105	0.0	97	95	2.1
Dibromoethane	ND	109	107	1.9	85	87	2.3
Dibromomethane	ND	95	93	2.1	92	89	3.3
Dichlorodifluoromethane	ND	>150	>150	NC	77	87	12.2
Ethylbenzene	ND	105	102	2.9	104	100	3.9
Hexachlorobutadiene	ND	114	114	0.0	121	116	4.2
Isopropylbenzene	ND	92	91	1.1	94	95	1.1
m&p-Xylene	ND	104	102	1.9	109	103	5.7
Methyl ethyl ketone	ND	99	97	2.0	109	97	11.7
Methyl t-butyl ether (MTBE)	ND	110	108	1.8	109	114	4.5
Methylene chloride	ND	102	101	1.0	103	99	4.0
Naphthalene	ND	136	137	0.7	137	140	2.2
n-Butylbenzene	ND	110	108	1.8	111	108	2.7
n-Propylbenzene	ND	101	101	0.0	95	94	1.1
o-Xylene	ND	103	104	1.0	113	107	5.5
p-Isopropyltoluene	ND	106	106	0.0	103	102	1.0
sec-Butylbenzene	ND	105	105	0.0	107	105	1.9
Styrene	ND	105	105	0.0	112	105	6.5
tert-Butylbenzene	ND	104	102	1.9	101	99	2.0
Tetrachloroethene	ND	96	94	2.1	90	87	3.4
Tetrahydrofuran (THF)	ND	103	100	3.0	104	100	3.9
Toluene	ND	106	104	1.9	92	92	0.0
trans-1,2-Dichloroethene	ND	104	102	1.9	108	104	3.8
trans-1,3-Dichloropropene	ND	99	97	2.0	75	77	2.6
trans-1,4-dichloro-2-butene	ND	86	86	0.0	66	70	5.9
Trichloroethene	ND	105	105	0.0	102	101	1.0
Trichlorofluoromethane	ND	114	114	0.0	113	108	4.5
Trichlorotrifluoroethane	ND	101	100	1.0	104	102	1.9
Vinyl chloride	ND	111	113	1.8	84	88	4.7
% 1,2-dichlorobenzene-d4	106	102	104	1.9	105	105	0.0
% Bromofluorobenzene	94	100	99	1.0	110	105	4.7
% Dibromofluoromethane	93	96	94	2.1	96	97	1.0
% Toluene-d8	91	98	97	1.0	84	87	3.5

QA/QC Batch 167856, QC Sample No: AZ88872 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)

Volatiles

1,1,1,2-Tetrachloroethane	ND	113	106	6.4	112	118	5.2
1,1,1-Trichloroethane	ND	117	107	8.9	115	119	3.4
1,1,2,2-Tetrachloroethane	ND	108	100	7.7	110	112	1.8
1,1,2-Trichloroethane	ND	93	89	4.4	98	101	3.0
1,1-Dichloroethane	ND	121	112	7.7	123	130	5.5
1,1-Dichloroethene	ND	124	116	6.7	118	128	8.1
1,1-Dichloropropene	ND	111	103	7.5	113	118	4.3
1,2,3-Trichlorobenzene	ND	144	133	7.9	141	>150	NC
1,2,3-Trichloropropane	ND	108	103	4.7	111	115	3.5
1,2,4-Trichlorobenzene	ND	124	117	5.8	122	130	6.3
1,2,4-Trimethylbenzene	ND	109	104	4.7	101	106	4.8
1,2-Dibromo-3-chloropropane	ND	101	99	2.0	103	110	6.6
1,2-Dichlorobenzene	ND	107	101	5.8	104	109	4.7
1,2-Dichloroethane	ND	120	108	10.5	127	129	1.6
1,2-Dichloropropane	ND	97	89	8.6	91	96	5.3
1,3,5-Trimethylbenzene	ND	107	102	4.8	99	104	4.9
1,3-Dichlorobenzene	ND	105	98	6.9	99	103	4.0

## QA/QC Data

SDG I.D.: GAZ88123

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,3-Dichloropropane	ND	106	100	5.8	107	112	4.6
1,4-Dichlorobenzene	ND	103	97	6.0	100	103	3.0
2,2-Dichloropropane	ND	104	97	7.0	83	88	5.8
2-Chlorotoluene	ND	104	98	5.9	96	100	4.1
2-Hexanone	ND	96	88	8.7	106	110	3.7
2-Isopropyltoluene	ND	107	101	5.8	101	106	4.8
4-Chlorotoluene	ND	102	97	5.0	96	102	6.1
4-Methyl-2-pentanone	ND	92	86	6.7	105	106	0.9
Acetone	ND	105	110	4.7	123	128	4.0
Acrylonitrile	ND	108	98	9.7	122	124	1.6
Benzene	ND	120	110	8.7	120	123	2.5
Bromobenzene	ND	100	93	7.3	96	99	3.1
Bromochloromethane	ND	117	106	9.9	122	123	0.8
Bromodichloromethane	ND	97	89	8.6	93	96	3.2
Bromoform	ND	122	112	8.5	127	133	4.6
Bromomethane	ND	122	116	5.0	109	126	14.5
Carbon Disulfide	ND	128	120	6.5	130	140	7.4
Carbon tetrachloride	ND	115	106	8.1	113	119	5.2
Chlorobenzene	ND	111	103	7.5	108	114	5.4
Chloroethane	ND	145	134	7.9	143	>150	NC
Chloroform	ND	119	111	7.0	123	126	2.4
Chloromethane	ND	117	109	7.1	97	115	17.0
cis-1,2-Dichloroethene	ND	118	108	8.8	120	124	3.3
cis-1,3-Dichloropropene	ND	92	84	9.1	84	90	6.9
Dibromochloromethane	ND	108	99	8.7	108	111	2.7
Dibromoethane	ND	95	87	8.8	94	98	4.2
Dibromomethane	ND	99	93	6.3	100	103	3.0
Dichlorodifluoromethane	ND	>150	149	NC	114	140	20.5
Ethylbenzene	ND	111	105	5.6	106	112	5.5
Hexachlorobutadiene	ND	112	108	3.6	106	115	8.1
Isopropylbenzene	ND	94	90	4.3	92	96	4.3
m&p-Xylene	ND	117	109	7.1	113	117	3.5
Methyl ethyl ketone	ND	111	98	12.4	138	134	2.9
Methyl t-butyl ether (MTBE)	ND	116	106	9.0	129	139	7.5
Methylene chloride	ND	117	108	8.0	118	124	5.0
Naphthalene	ND	132	125	5.4	133	142	6.5
n-Butylbenzene	ND	116	112	3.5	110	115	4.4
n-Propylbenzene	ND	105	99	5.9	94	99	5.2
o-Xylene	ND	118	109	7.9	119	125	4.9
p-Isopropyltoluene	ND	111	106	4.6	101	107	5.8
sec-Butylbenzene	ND	110	104	5.6	103	110	6.6
Styrene	ND	118	109	7.9	122	128	4.8
tert-Butylbenzene	ND	108	103	4.7	99	105	5.9
Tetrachloroethene	ND	99	93	6.3	91	98	7.4
Tetrahydrofuran (THF)	ND	115	101	13.0	129	132	2.3
Toluene	ND	100	94	6.2	95	98	3.1
trans-1,2-Dichloroethene	ND	120	111	7.8	115	126	9.1
trans-1,3-Dichloropropene	ND	95	87	8.8	92	95	3.2
trans-1,4-dichloro-2-butene	ND	97	92	5.3	93	99	6.3
Trichloroethene	ND	112	103	8.4	108	112	3.6
Trichlorofluoromethane	ND	131	122	7.1	124	137	10.0
Trichlorotrifluoroethane	ND	110	105	4.7	110	120	8.7
Vinyl chloride	ND	129	119	8.1	96	116	18.9

QA/QC Data

SDG I.D.: GAZ88123

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
% 1,2-dichlorobenzene-d4	103	102	104	1.9	104	106	1.9
% Bromofluorobenzene	92	105	107	1.9	110	111	0.9
% Dibromofluoromethane	91	96	95	1.0	100	100	0.0
% Toluene-d8	85	85	87	2.3	82	81	1.2

**Comment:**

A blank MS/MSD was analyzed with this batch.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director  
January 03, 2011

# Sample Criteria Exceedences Report

GAZ88123

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88123	VHB	\$8260GWR	Chloromethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	2.7	2.7	ug/L
AZ88123	VHB	\$8260GWR	Vinyl chloride	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	2	2	ug/L
AZ88123	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	25	0.5	0.5	ug/L
AZ88123	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	SWPC (µg/L)	ND	25	20	20	ug/L
AZ88123	VHB	\$8260GWR	cis-1,2-Dichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	440	20.0	70	70	ug/L
AZ88123	VHB	\$8260GWR	Tetrahydrofuran (THF)	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	25	5	5	ug/L
AZ88123	VHB	\$8260GWR	Benzene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	1	1	ug/L
AZ88123	VHB	\$8260GWR	1,2-Dichloroethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	1	1	ug/L
AZ88123	VHB	\$8260GWR	Trichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	150	20.0	5	5	ug/L
AZ88123	VHB	\$8260GWR	Bromodichloromethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	2.5	0.56	0.56	ug/L
AZ88123	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.05	0.05	ug/L
AZ88123	VHB	\$8260GWR	Tetrachloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	97	5.0	5	5	ug/L
AZ88123	VHB	\$8260GWR	Tetrachloroethene	ug/L	CT	Volatile Organic Compound	SWPC (µg/L)	97	5.0	88	88	ug/L
AZ88123	VHB	\$8260GWR	Dibromochloromethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	2.5	0.5	0.5	ug/L
AZ88123	VHB	\$8260GWR	1,1,1,2-Tetrachloroethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	1	1	ug/L
AZ88123	VHB	\$8260GWR	Bromoform	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	4	4	ug/L
AZ88123	VHB	\$8260GWR	1,1,2,2-Tetrachloroethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	2.5	0.5	0.5	ug/L
AZ88123	VHB	\$8260GWR	Hexachlorobutadiene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	2.0	0.45	0.45	ug/L
AZ88123	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	GWPC (µg/L)	6.5	0.02	0.5	0.5	mg/L
AZ88123	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	6.5	0.02	0.003	0.003	mg/L
AZ88123	VHB	NO3N-IC	Nitrate as Nitrogen	ug/L	CT	Inorganic Substances	GWPC (µg/L)	89	1.3	10	10	mg/L
AZ88124	VHB	\$8260GWR	Chloromethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	2.7	2.7	ug/L
AZ88124	VHB	\$8260GWR	Vinyl chloride	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	1100	50	2	2	ug/L
AZ88124	VHB	\$8260GWR	Bromomethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	9.8	9.8	ug/L
AZ88124	VHB	\$8260GWR	1,1-Dichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	7	7	ug/L
AZ88124	VHB	\$8260GWR	Acetone	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1300	700	700	ug/L
AZ88124	VHB	\$8260GWR	Methylene chloride	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	5	5	ug/L
AZ88124	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	250	0.5	0.5	ug/L
AZ88124	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	SWPC (µg/L)	ND	250	20	20	ug/L
AZ88124	VHB	\$8260GWR	cis-1,2-Dichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	4000	500	70	70	ug/L
AZ88124	VHB	\$8260GWR	Tetrahydrofuran (THF)	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	460	250	5	5	ug/L
AZ88124	VHB	\$8260GWR	Methyl ethyl ketone	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	2400	2500	400	400	ug/L
AZ88124	VHB	\$8260GWR	Chloroform	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	6	6	ug/L
AZ88124	VHB	\$8260GWR	Carbon tetrachloride	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	5	5	ug/L
AZ88124	VHB	\$8260GWR	Benzene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	190	50	1	1	ug/L
AZ88124	VHB	\$8260GWR	1,2-Dichloroethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	1	1	ug/L
AZ88124	VHB	\$8260GWR	Trichloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	5	5	ug/L
AZ88124	VHB	\$8260GWR	1,2-Dichloropropane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	5	5	ug/L
AZ88124	VHB	\$8260GWR	Bromodichloromethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	25	0.56	0.56	ug/L

Requested Criteria: GWP, SWP

# Sample Criteria Exceedences Report

GAZ88123

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored		Analysis Units
										Factored Criteria	RL Criteria	
AZ88124	VHB	\$8260GWR	4-Methyl-2-pentanone	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	17000	2500	350	350	ug/L
AZ88124	VHB	\$8260GWR	Toluene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	14000	500	1000	1000	ug/L
AZ88124	VHB	\$8260GWR	1,1,2-Trichloroethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	5	5	ug/L
AZ88124	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	0.05	0.05	ug/L
AZ88124	VHB	\$8260GWR	Tetrachloroethene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	5	5	ug/L
AZ88124	VHB	\$8260GWR	Dibromochloromethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	25	0.5	0.5	ug/L
AZ88124	VHB	\$8260GWR	1,1,1,2-Tetrachloroethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	1	1	ug/L
AZ88124	VHB	\$8260GWR	Ethylbenzene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	4000	500	700	700	ug/L
AZ88124	VHB	\$8260GWR	Bromoform	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	4	4	ug/L
AZ88124	VHB	\$8260GWR	Isopropylbenzene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	190	50	30	30	ug/L
AZ88124	VHB	\$8260GWR	1,1,2,2-Tetrachloroethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	25	0.5	0.5	ug/L
AZ88124	VHB	\$8260GWR	n-Propylbenzene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	84	50	61	61	ug/L
AZ88124	VHB	\$8260GWR	tert-Butylbenzene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	76	50	61	61	ug/L
AZ88124	VHB	\$8260GWR	1,2,4-Trimethylbenzene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	560	50	350	350	ug/L
AZ88124	VHB	\$8260GWR	sec-Butylbenzene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	420	50	61	61	ug/L
AZ88124	VHB	\$8260GWR	p-Isopropyltoluene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	50	30	30	ug/L
AZ88124	VHB	\$8260GWR	Hexachlorobutadiene	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	20	0.45	0.45	ug/L
AZ88124	VHB	\$8260GWR	Total Xylenes	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	12500	50	530	530	ug/L
AZ88124	VHB	D-CD	Cadmium (Dissolved)	ug/L	CT	Inorganic Substances	GWPC (µg/L)	0.020	0.001	0.005	0.005	mg/L
AZ88124	VHB	D-CD	Cadmium (Dissolved)	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.020	0.001	0.006	0.006	mg/L
AZ88124	VHB	D-ZN	Zinc (Dissolved)	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.542	0.002	0.123	0.123	mg/L
AZ88124	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	GWPC (µg/L)	28	0.4	0.5	0.5	mg/L
AZ88124	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	28	0.4	0.003	0.003	mg/L
AZ88125	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ88125	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ88125	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.08	0.02	0.003	0.003	mg/L
AZ88126	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ88126	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ88126	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.09	0.02	0.003	0.003	mg/L
AZ88127	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ88127	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ88127	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.06	0.02	0.003	0.003	mg/L
AZ88128	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ88128	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ88128	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.11	0.02	0.003	0.003	mg/L
AZ88129	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L

Requested Criteria: GWP, SWP

**Sample Criteria Exceedences Report**

GAZ88123

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88129	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ88130	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ88130	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ88130	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.13	0.02	0.003	0.003	mg/L
AZ88131	VHB	\$8260GWR	Acrylonitrile	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5.0	0.5	0.5	ug/L
AZ88131	VHB	\$8260GWR	Dibromoethane	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	1.0	0.05	0.05	ug/L
AZ88131	VHB	NH3-WM	Ammonia as Nitrogen	ug/L	CT	Inorganic Substances	SWPC (µg/L)	0.1	0.02	0.003	0.003	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

**Reasonable Confidence Protocol  
Laboratory Analysis QA/QC Certification Form**

**Laboratory Name:** Phoenix Environmental Labs, Inc.    **Client:** VHB

**Project Location:** ENVIRITE LF/THOMASTON    **Project Number:**

**Laboratory Sample ID(s):** AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88129, AZ88130, AZ88131

**Sampling Date(s):** 12/15/2010

**RCP Methods Used:**

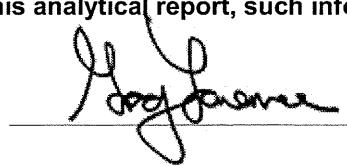
<input type="checkbox"/> 1311/1312	<input checked="" type="checkbox"/> 6010	<input type="checkbox"/> 7000	<input type="checkbox"/> 7196	<input type="checkbox"/> 7470/7471	<input type="checkbox"/> 8081	<input type="checkbox"/> EPH	<input type="checkbox"/> TO15
<input type="checkbox"/> 8082	<input type="checkbox"/> 8151	<input checked="" type="checkbox"/> 8260	<input type="checkbox"/> 8270	<input type="checkbox"/> ETPH	<input checked="" type="checkbox"/> 9010/9012	<input type="checkbox"/> VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Section: VOA Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:



Date: Monday, January 03, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director



**Environmental Laboratories, Inc.**  
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Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

January 03, 2011

SDG I.D.: GAZ88123

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The client requested a shorter list of elements than the 6010 RCP list.

Volatile 8260 analysis:

The reporting level for Acrylonitrile is above the GWP criteria.

Dibromoethane doesn't meet GWP criteria, this compound is analyzed by GC/ECD method 504 or 8011 when this criteria needs to be met. For sample ID AZ88123 and AZ88124 several of the constituents did not meet the requested criteria due to the concentration of other target compounds.

### **Cyanide Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Lachat 12/29/10-1 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)

The samples were distilled in accordance with the method.

The initial calibration met criteria.

The calibration check standards (ICV,CCV) were within 15% of true value and were analyzed at a frequency of one per ten samples. The continuing calibration blanks (ICB,CCB) had concentrations less than the reporting level.

The method blank, laboratory control sample (LCS), and matrix spike were distilled with the samples.

**Printed Name** Greg Danielewski

**Position:** Chemist

**Date:** 12/29/2010

### **QC (Site Specific)**

----- Sample No: AZ88131 -----

All LCS recoveries were within 85 - 115 with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **QC (Batch Specific)**

All LCS recoveries were within 85 - 115 with the following exceptions: None.

### **ICP Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Icp7 12/20/10-1 (AZ88123, AZ88124)

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.



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## RCP Certification Report

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SDG I.D.: GAZ88123

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The continuing calibration blanks were less than the reporting level for the elements reported.  
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

**Printed Name** Emily Kolominskaya  
**Position:** Chemist  
**Date:** 12/20/2010

**Instrument:** Icp9 12/17/10-1 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128,  
AZ88130, AZ88131)

The initial calibration met criteria.  
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.  
The continuing calibration blanks were less than the reporting level for the elements reported.  
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

**Printed Name** Emily Kolominskaya  
**Position:** Chemist  
**Date:** 12/17/2010

**Instrument:** Icp9 12/21/10-1 (AZ88127, AZ88128)

The initial calibration met criteria.  
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.  
The continuing calibration blanks were less than the reporting level for the elements reported.  
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

**Printed Name** Emily Kolominskaya  
**Position:** Chemist  
**Date:** 12/21/2010

### **QC (Batch Specific)**

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: Iron

### **VOA Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

The LCS/LCSD for 2,2-Dichloropropane is below the lower range. A low bias for this compound is possible in sample AZ88129. The LCS and/or LCSD for several other compounds is above the upper range. No significant bias is suspected.

**Instrument:** Chem08 12/17/10-2 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128,  
AZ88129, AZ88130, AZ88131)

R -Side

Initial Calibration(RCPR\_0923):



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## RCP Certification Report

January 03, 2011

SDG I.D.: GAZ88123

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All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: None

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.

The following compounds had % Deviations >30%: None

S -Side

Initial Calibration(RCPS\_1130):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Methylene Chloride

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.

The following compounds had % Deviations >30%: 2,2-Dichloropropane, 1,2,3-Trichlorobenzene

**Printed Name** Lynne Matteson

**Position:** Chemist

**Date:** 12/17/2010

**Instrument:** Chem08 12/20/10-1 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)

R -Side

Initial Calibration(RCPR\_0923):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: None

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.

The following compounds had % Deviations >30%: None

S -Side

Initial Calibration(RCPS\_1130):

All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Methylene Chloride

Continuing Calibration Verification:

All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.

The following compounds had % Deviations >30%: Chloroethane, Tetrahydrofuran (THF), 1,2,3-Trichlorobenzene

**Printed Name** Lynne Matteson

**Position:** Chemist

**Date:** 12/20/2010

**QC Comments:** QC Batch 67856 12/21/10 (AZ88123, AZ88124, AZ88125, AZ88126, AZ88127, AZ88128, AZ88130, AZ88131)

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## RCP Certification Report

January 03, 2011

SDG I.D.: GAZ88123

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A blank MS/MSD was analyzed with this batch.

### QC (Batch Specific)

All LCS recoveries were within 70 - 130 with the following exceptions: 1,2,3-Trichlorobenzene, 2,2-Dichloropropane, Chloroethane, Dichlorodifluoromethane, Naphthalene, Trichlorofluoromethane

All LCSD recoveries were within 70 - 130 with the following exceptions: 1,2,3-Trichlorobenzene, 2,2-Dichloropropane, Chloroethane, Dichlorodifluoromethane, Naphthalene

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.



## CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: service@phoenixlabs.com Fax (860) 645-0823

**Client Services (860) 645-8726**

Temp 6°C Pg 1 of 2

**Data Delivery (check one):**

- Fax #: \_\_\_\_\_  
 Email: \_\_\_\_\_

Format:  Excel  Pdf  Gis Key

Customer: VHB, Inc.  
 Address: 54 Tutle Place  
 Middletown, CT

VHB-ENV

Project: Envirite Landfill - Thomaston CT

Report to: Mr. Phil Rydel

Project P.O.: 41426.01

Phone #: \_\_\_\_\_

Fax #: \_\_\_\_\_

Invoice to: Envirite 490 Norristown Rd, Suite 252, Blue Bell PA

**Client Sample - Information - Identification**

Sampler's Signature PMR Date 12/15/10

**Matrix Code:**  
 DW=drinking water WW=wastewater S=soil/solid O=other  
 GW=groundwater SL=sludge A=air

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request																
					Dissolved Ba, Cd, Cr, Cu, Fe, Mn, Na	Dissolved Ni, Zn	Total Cyanide	Chloride, NO2, NO3, pH, SO4	Conductivity, TDS, TSS	VOC by 8260	NH3, TOX, Phenols, TOC	Soil VOA Vials f	1 methanol	1 Sod Bisulfate	1 oz	GL Soil container (	40 ml VOA Vial f	1 As is 1 HCl	PL A is 1 X 250ml	GL H2SO4 1 X 250ml	PL HNO3 250ml
88123	MW-30	GW	12/15/10	10:00	X	X	X	X	X	X	X					2	1	1/1	1		1
88124	MW-31S	GW		1:30	X	X	X	X	X	X	X					2	1	1/1	1		1
88125	MW-33	GW		9:00	X	X	X	X	X	X	X					2	1	1/1	1		1
88126	MW-36	GW		2:00	X	X	X	X	X	X	X					2	1	1/1	1		1
	MW-41S	GW			X	X	X	X	X	X	X					2	1	1/1	1		1
	MW-41D	GW			X	X	X	X	X	X	X					2	1	1/1	1		1
	MW-41B	GW			X	X	X	X	X	X	X					2	1	1/1	1		1
	MW-42S	GW			X	X	X	X	X	X	X					2	1	1/1	1		1
	MW-42S DUP	GW			X	X	X	X	X	X	X					2	1	1/1	1		1
	MW-43S	GW			X	X	X	X	X	X	X					2	1	1/1	1		1
	MW-43D	GW			X	X	X	X	X	X	X					2	1	1/1	1		1
	MW-44D	GW			X	X	X	X	X	X	X					2	1	1/1	1		1

Relinquished by:

Accepted by:

Date:

Time:

Turnaround:

- 1 Day\*  
 2 Days\*  
 3 Days\*  
 Standard  
 Other

\* Surcharge Applies

Requirements for CT

- Res. Criteria  
 GW Protection  
 GA Mobility  
 GB Mobility  
 SW Protection  
 Res. Vol.  
 Ind. Vol.

Requirements for MA

- GW-1  
 GW-2  
 GW-3  
 S-1  
 S-2  
 S-3  
 MCP Certification  
 Other

Comments, Special Requirements or Regulations:





**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

January 05, 2011

FOR: Attn: Mr. Rob McCarthy  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

<u>Sample Information</u>	<u>Custody Information</u>	<u>Date</u>	<u>Time</u>
Matrix: GROUND WATER	Collected by:	12/15/10	13:30
Location Code: VHB	Received by: SW	12/16/10	0:00
Rush Request:	Analyzed by: see "By" below		
P.O.#: 41426.01		SDG ID: GAZ88123	
		Phoenix ID: AZ88124	

## Laboratory Data

Project ID: ENVIRITE LF/THOMASTON

Client ID: MW-31S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.074	0.002	mg/L	12/17/10		EK	6010/200.7
Cadmium (Dissolved)	0.020	0.001	mg/L	12/17/10		EK	6010/200.7
Chromium (Dissolved)	0.036	0.001	mg/L	12/17/10		EK	6010/200.7
Copper (Dissolved)	0.015	0.001	mg/L	12/17/10		EK	6010/200.7
Iron (Dissolved)	73.3	0.002	mg/L	12/17/10		EK	6010/200.7
Manganese (Dissolved)	5.76	0.011	mg/L	12/20/10		LK	6010/200.7
Sodium (Dissolved)	60.5	1.1	mg/L	12/20/10		LK	6010/200.7
Nickel (Dissolved)	0.034	0.001	mg/L	12/17/10		EK	6010/200.7
Zinc (Dissolved)	0.542	0.002	mg/L	12/17/10		EK	6010/200.7
Chloride	190	15	mg/L	12/17/10		B/E	300.0
Conductivity	1220	5	umhos/cm	12/17/10		BS/EG	SM2510B
Ammonia as Nitrogen	28	0.4	mg/L	12/21/10		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	12/17/10	6:05	B/E	300.0
Nitrate as Nitrogen	0.17	0.05	mg/L	12/17/10	6:05	B/E	300.0/9056
Phenolics	1.05	0.375	mg/L	12/23/10		M/G	E420.4
pH	6.27	0.10	pH	12/17/10	5:01	BS/EG	4500-H B/9040
Sulfate	18	3.0	mg/L	12/17/10		B/E	300.0
Total Cyanide	< 0.01	0.01	mg/L	12/28/10		GD	335.4/9010
Tot. Diss. Solids	780	14	mg/L	12/17/10		KDB/CL	SM2540C
Total Organic Carbon	240	10	mg/L	12/22/10		JL	SM 5310B
Total Suspended Solids	95	7.1	mg/L	12/17/10		KDB	SM2540D
Filtration	Completed			12/16/10		AG	0.45um Filter
Dissolved Metals Preparation	Completed			12/16/10		AG	SW846-3005
Tot. Org. Halogens	1.95	0.010	mg/L	12/29/10		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
1,1,1-Trichloroethane	ND	50	ug/L	12/18/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
 Client ID: MW-31S

Phoenix I.D.: AZ88124

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	25	ug/L	12/18/10		R/L	SW8260
1,1,2-Trichloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
1,1-Dichloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
1,1-Dichloroethene	ND	50	ug/L	12/18/10		R/L	SW8260
1,1-Dichloropropene	ND	50	ug/L	12/18/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
1,2,3-Trichloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
1,2,4-Trimethylbenzene	560	50	ug/L	12/18/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
1,2-Dichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
1,2-Dichloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
1,2-Dichloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
1,3,5-Trimethylbenzene	180	50	ug/L	12/18/10		R/L	SW8260
1,3-Dichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
1,3-Dichloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
1,4-Dichlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
2,2-Dichloropropane	ND	50	ug/L	12/18/10		R/L	SW8260
2-Chlorotoluene	ND	50	ug/L	12/18/10		R/L	SW8260
2-Hexanone	1000	250	ug/L	12/18/10		R/L	SW8260
2-Isopropyltoluene	ND	50	ug/L	12/18/10		R/L	SW8260
4-Chlorotoluene	ND	50	ug/L	12/18/10		R/L	SW8260
4-Methyl-2-pentanone	17000	2500	ug/L	12/18/10		R/L	SW8260
Acetone	ND	1300	ug/L	12/18/10		R/L	SW8260
Acrylonitrile	ND	250	ug/L	12/18/10		R/L	SW8260
Benzene	190	50	ug/L	12/18/10		R/L	SW8260
Bromobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
Bromochloromethane	ND	50	ug/L	12/18/10		R/L	SW8260
Bromodichloromethane	ND	25	ug/L	12/18/10		R/L	SW8260
Bromoform	ND	50	ug/L	12/18/10		R/L	SW8260
Bromomethane	ND	50	ug/L	12/18/10		R/L	SW8260
Carbon Disulfide	ND	250	ug/L	12/18/10		R/L	SW8260
Carbon tetrachloride	ND	50	ug/L	12/18/10		R/L	SW8260
Chlorobenzene	ND	50	ug/L	12/18/10		R/L	SW8260
Chloroethane	ND	50	ug/L	12/18/10		R/L	SW8260
Chloroform	ND	50	ug/L	12/18/10		R/L	SW8260
Chloromethane	ND	50	ug/L	12/18/10		R/L	SW8260
cis-1,2-Dichloroethene	4000	500	ug/L	12/18/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	25	ug/L	12/18/10		R/L	SW8260
Dibromochloromethane	ND	25	ug/L	12/18/10		R/L	SW8260
Dibromoethane	ND	50	ug/L	12/18/10		R/L	SW8260
Dibromomethane	ND	50	ug/L	12/18/10		R/L	SW8260
Dichlorodifluoromethane	ND	50	ug/L	12/18/10		R/L	SW8260
Ethylbenzene	4000	500	ug/L	12/18/10		R/L	SW8260
Hexachlorobutadiene	ND	20	ug/L	12/18/10		R/L	SW8260
Isopropylbenzene	190	50	ug/L	12/18/10		R/L	SW8260
m&p-Xylene	510000	500	ug/L	12/18/10		R/L	SW8260
Methyl ethyl ketone	2400	2500	ug/L	12/18/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	50	ug/L	12/18/10		R/L	SW8260
Methylene chloride	ND	50	ug/L	12/18/10		R/L	SW8260

Project ID: ENVIRITE LF/THOMASTON  
Client ID: MW-31S

Phoenix I.D.: AZ88124

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	140	50	ug/L	12/18/10		R/L	SW8260
n-Butylbenzene	ND	50	ug/L	12/18/10		R/L	SW8260
n-Propylbenzene	84	50	ug/L	12/18/10		R/L	SW8260
o-Xylene	4200	500	ug/L	12/18/10		R/L	SW8260
p-Isopropyltoluene	ND	50	ug/L	12/18/10		R/L	SW8260
sec-Butylbenzene	420	50	ug/L	12/18/10		R/L	SW8260
Styrene	98	50	ug/L	12/18/10		R/L	SW8260
tert-Butylbenzene	76	50	ug/L	12/18/10		R/L	SW8260
Tetrachloroethene	ND	50	ug/L	12/18/10		R/L	SW8260
Tetrahydrofuran (THF)	460	250	ug/L	12/18/10		R/L	SW8260
Toluene	14000	500	ug/L	12/18/10		R/L	SW8260
Total Xylenes	514200	50	ug/L	12/18/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	50	ug/L	12/18/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	25	ug/L	12/18/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	250	ug/L	12/18/10		R/L	SW8260
Trichloroethene	ND	50	ug/L	12/18/10		R/L	SW8260
Trichlorofluoromethane	ND	50	ug/L	12/18/10		R/L	SW8260
Trichlorotrifluoroethane	ND	50	ug/L	12/18/10		R/L	SW8260
Vinyl chloride	1100	50	ug/L	12/18/10		R/L	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104		%	12/18/10		R/L	SW8260
% Bromofluorobenzene	103		%	12/18/10		R/L	SW8260
% Dibromofluoromethane	100		%	12/18/10		R/L	SW8260
% Toluene-d8	84		%	12/18/10		R/L	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

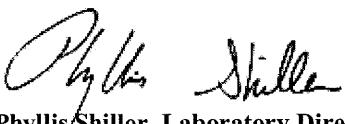
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
January 05, 2011



## CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: service@phoenixlabs.com Fax (860) 645-0823

**Client Services (860) 645-8726**

Temp 65°C Pg 1 of 2

**Data Delivery (check one):**

- Fax # \_\_\_\_\_  
 Email: \_\_\_\_\_

Format:  Excel  Pdf  Gis Key

Customer: VHB, Inc.

Address: 54 Tuttle Place

Middletown, CT

VHB-ENV

Project: Envrite Landfill - Thomaston CT

Report to: Mr. Phil Rydel

Invoice to: Envrite 490 Norristown Rd, Suite 252, Blue Bell PA

Project P.O.: 41426.01

Phone #: \_\_\_\_\_

Fax #: \_\_\_\_\_

**Client Sample - Information - Identification**

Sampler's Signature

PMR 12/15/10

Date

**Matrix Code:**

DW=drinking water

WW=wastewater

S=soil/solid O=other

GW=groundwater

SL=sludge

A=air

**Analysis Request**

Dissolved Ba, Cd, Cr, Cu, Fe, Mn, Na	Dissolved Ni, Zn	Total Cyanide	Chloride, NO2, NO3, pH, SO4	Conductivity, TDS, TSS	VOC by 8260	NH3, TOX, Phenols, TOC	Soil VOA Vials 1	Jmethanol 1	J Sod Bisulfate	GL Soil container ( ) oz	GL VOA Vial 1	J As is (x) HCl	PL As is (X) 250ml	GL HgSO4 1 X 250ml	PL HgCl3 250ml	Bacteria Bottle
--------------------------------------	------------------	---------------	-----------------------------	------------------------	-------------	------------------------	------------------	-------------	-----------------	--------------------------	---------------	-----------------	--------------------	--------------------	----------------	-----------------

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	x	x	x	x	x	x	x	x	x	x	x	x
88123	MW-30	GW	12/15/10	10:00	x	x	x	x	x	x	x	x	x	x	2	1
88124	MW-31S	GW		1:30	x	x	x	x	x	x	x	x	x	x	2	1
88125	MW-33	GW		9:00	x	x	x	x	x	x	x	x	x	x	2	1
88126	MW-36	GW		2:00	x	x	x	x	x	x	x	x	x	x	2	1
	MW-41S	GW			x	x	x	x	x	x	x	x	x	x	2	1
	MW-41D	GW			x	x	x	x	x	x	x	x	x	x	2	1
	MW-41B	GW			x	x	x	x	x	x	x	x	x	x	2	1
	MW-42S	GW			x	x	x	x	x	x	x	x	x	x	2	1
	MW-42S DUP	GW			x	x	x	x	x	x	x	x	x	x	2	1
	MW-43S	GW			x	x	x	x	x	x	x	x	x	x	2	1
	MW-43D	GW			x	x	x	x	x	x	x	x	x	x	2	1
	MW-44D	GW			x	x	x	x	x	x	x	x	x	x	2	1

Relinquished by:

Accepted by:

Date:

Time:

*michael*

*michael B*

*Shawn Wilhelm*

12/16/10 12:10

*Shawn Wilhelm*

*Shawn Wilhelm*

12/16/10 16:18

Comments, Special Requirements or Regulations:

**Turnaround:**

- 1 Day\*  
 2 Days\*  
 3 Days\*  
 Standard  
 Other

\* Surcharge Applies

**Requirements for CT**

- Res. Criteria  
 GW Protection  
 GA Mobility  
 GB Mobility  
 SW Protection  
 Res. Vol.  
 Ind. Vol.

**Requirements for MA**

- GW-1  
 GW-2  
 GW-3  
 S-1  
 S-2  
 S-3  
 MCP Certification  
 Other



## CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: service@phoenixlabs.com Fax (860) 645-0823

**Client Services (860) 645-8726**

Temp *60°C* Pg 2 of 2

**Data Delivery (check one):**

- Fax #: \_\_\_\_\_  
 Email: \_\_\_\_\_

Format:  Excel  Pdf  Gis Key

Customer: VHB, Inc.  
 Address: 54 Tutle Place  
 Middletown, CT

VHB-ENV

Project: Envirite Landfill - Thomaston CT  
 Report to: Mr. Phil Rydal  
 Invoice to: Envirite 490 Norristown Rd, Suite 252, Blue Bell PA

Project P.O: *41426-01*  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Client Sample - Information - Identification					Analysis Request																						
Sampler's Signature	<i>PMR 12/15/10</i>					Dissolved Ba, Cd, Cr, Cu, Fe, Mn, Na	Dissolved Ni, Zn	Total Cyanide	Chloride, NO <sub>2</sub> , NO <sub>3</sub> , pH, SO <sub>4</sub>	Conductivity, TDS, TSS	VOC by 8260	NH <sub>3</sub> , TOX, Phenols, TOC	Soil VOA Vials (1)	Soil container (1)	1methylol (1)	1Sod Bisulfate (1)	1oz (1)	GL VOA Vial (1)	1As is (1)	1HCl (1)	1oz (1)	40 ml VOA Vial (1)	1As is (1)	1H <sub>2</sub> SO <sub>4</sub> (1)	150ml (1)	1000ml (1)	
Matrix Code:	DW=drinking water	WW=wastewater	S=soil/solid	O=other																							
GW=groundwater	SL=sludge	A=air																									
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled		X X X X X X X																					
MW-44-B	GW					X X X X X X X																					
88127	Field Blank	GW	<i>12/15/10</i>	<i>12:45</i>		X X X X X X X																					
88128	Equipment Blank	GW		<i>1:00</i>		X X X X X X X																					
88129	Trip Blank	GW		<i>12:30</i>																							
88130	SW Up Stream	SW		<i>12:00</i>		X X X X X X X																					
88131	SW Down Stream	SW		<i>11:00</i>		X X X X X X X																					

<i>[Signature]</i>	Accepted by:	Date:	Time:	Turnaround:	Requirements for CT	Requirements for MA
<i>[Signature]</i>	<i>Michael B.</i>	<i>12/16/10</i>	<i>12:10</i>	<input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Res. Criteria <input checked="" type="checkbox"/> GW Protection <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input checked="" type="checkbox"/> SW Protection <input type="checkbox"/> Res. Vol. <input type="checkbox"/> Ind. Vol.	<input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MCP Certification <input type="checkbox"/> Other

\* Surcharge Applies

Comments, Special Requirements or Regulations:
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